

THE LIST OF USED TEST&MEASURING INSTRUMENTS

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We are appreciating your understanding and cooperation.

Contact information

TEL (81) 3-3255-8026 FAX : (81) 3-3255-8057

e-mail : used_tandm_net@keisokuki-land.co.jp

TOYO KEISOKUKI CO., LTD

HEAD OFFICE

1-3-12 Sotokanda, chiyoda-ku,

Tokyo101-0021, Japan

URL: <http://www.keisokuki-land.co.jp>

Column note

Accessory (*1)
A : StandardAccessory
B : Instruction manual
C : Power cable
N : None

calibration (*2)
R1 : already calibrated
R2,B1 : Extra charge
B2,B3 : Out of service

Category	Product CD	Product name	Mnufacture	Model	Specification	Selling price (Net JPY)	Accessory (*1)	Option	Warranty period(*2)	Rank code(*3)
Analog communication equipment	TR2785	Audio & Radio Tester	Levear	VP-7612D	1ch、AF Frequency Range : 20Hz ~ 20kHz、AF Output level : -60dBV ~ +8dBV(1mV ~ 2.55V)、600Ω±10Ω、Frequency Measurement : 10Hz ~ 100kHz	220,000	A+B		6 months	R1
Analog communication equipment	TR2786	Audio & Radio Tester	Levear	VP-7612D(VQ-079S02)	1ch、AF Frequency Range : 20Hz ~ 20kHz、AF Output level : -60dBV ~ +8dBV(1mV ~ 2.55V)、600Ω±10Ω、Frequency Measurement : 10Hz ~ 100kHz	240,000	A+B	with LAN&RS-232C	6 months	R2
Analog communication equipment	TR2787	Audio & Radio Tester	levear	VP-7612D(VQ-079S02)	1ch、AF Frequency Range : 20Hz ~ 20kHz、AF Output level : -60dBV ~ +8dBV(1mV ~ 2.55V)、600Ω±10Ω、Frequency Measurement : 10Hz ~ 100kHz	240,000	A+B	with LAN & RS-232C	6 months	R2
FFT Analyzer	UKK-6291	FFT Analyzer	Ono	CF-5210	Analysis function : Time· Frequency· Amplitude, Input part : (2ch, Voltage range : -60dBVr ~ 30dBVr· A/C Characteristics Filter), Analysis part : (10mHz ~ 100kHz	200,000	C		1 month	B2
Analog communication equipment	TO32-5829	RF power meter	IFR	6970	Power measurement (nW, μW, mW, dBm, mV,dBV) Frequency Range : 30kHz~40GHz(depending on sensor), Measurement level : ?70dBm~+35dBm, Display : analog column graph/battey voltage-max/min, Power sensor(6910/10MHz/20GHz/30dBm(+))	120,000	A+B	Sensor (6910)	1 month	B1
Analog communication equipment	TO32-5943	Noise source	Agilent	346C	10M-26.5GHZ	160,000	C		7 days	B2
Analog communication equipment	UKK-6571	RF Power sensor	Agilent	8481B	1mW ~ 25W(0 ~ +44dBm), 10MHz ~ 18GHz, Connector : N type, 30dB Attenuator	80,000	N		7 days	B2
Analog communication equipment	TM376	RF Power sensor	Agilent	8481D	Average power sensor (diode) , 100pW ~ 10μW,-70 ~ -20dBm,10MHz ~ 18GHz,50Ω、 N(plug) , Attachment : 1 1 7 0 8 A (3 0 d B attenuator)	70,000	N	11708A× 1	7 days	R2
Analog communication equipment	UKK-0988	RF Power sensor	Agilent	8482B	100KHz ~ 4.2GHz , +35dBm ~ 44dBm , 30W(average、 0 ~ 35°C) · 25W(peak、 35 ~ 55°C) · 500W(peak、 0.01 ~ 5.8GHz) · 125W(peak、 5.8 ~ 18GHz) · 500W-us(per one pulse)、 Type N , 50Ω , 30dB(with attenuator)	80,000	N		7 days	B2
Analog communication equipment	TK31-0978	RF Power sensor	Agilent	8483A	100k ~ 2GHz,-30 ~ +20dBm,N,75Ω	35,000	N		7 days	B2
Analog communication equipment	TK31-0979	RF Power sensor	Agilent	8483A	100k ~ 2GHz,-30 ~ +20dBm,N,75Ω	35,000	N		7 days	B2
Analog communication equipment	TTR-1634	Calibration kit	Agilent	85064B	Correction (Ecal) module Microwave electron、 1 - 18GHz、 Type N	160,000	N		7 days	B2
Analog communication equipment	TOK-1761	RF ECA Module	Agilent	85093C	R F 2 ports E c a l module , 3 . 5 m m , Frequency range : 3 0 0 k H z - 9 G H z ,	200,000	A+B		7 days	B2

Category	Product CD	Product name	Mnufacture	Model	Specification	Selling price (Net JPY)	Accessory (*1)	Option	Warranty period(*2)	Rank code(*3)
Analog communication equipment	UKK-3218	Noise figure meter	Agilent	8970B	Noise factor (NF) measurement 0 ~ 30dB, Accuracy: ± 0.1 dB, Gain measurement range: -20 ~ 40dB, Frequency range: 10 ~ 1,600MHz, with HP-IB	120,000	C		1 month	B2
Analog communication equipment	UKK-4751	RF power meter	Agilent	E4417A	Peak Power Meter EPM-P series 2 ch, Sampling: 20MS/s, VBW: 5MHz *Sensor Control I/F: GPIB, RS232/422, Attachment: E9288A (sensor cable 1.5m) $\times 2$, * Peak power measurement corresponding to a pulse range of 200ns	450,000	A+B	9288A $\times 2$	1 month	B2
Analog communication equipment	UKK-5838	RF power meter	Agilent	E4418B	9KHz ~ 110GHz (depending on each sensor), Termination type, required power sensor additionally. Can use for 848XX series	180,000	A+B	opt,1a7/Cable	1 month	B2
Analog communication equipment	UKK-4147	Network Analyzer	Agilent	E5071B	Frequency range (Hz):300k ~ 8.5G Resolution(Hz):1 Output power (dBm): -50 ~ 10 Impedance connector: 50 Ω type N, * Signal source: S Built-in parameter test: set, Color display with GP-IB, FDD	1,800,000	C	314/016	1 month	B1
Analog communication equipment	UKK-4252	RF Power sensor	Agilent	E9301A	Power sensor for E4418B / 19B, 10MHz ~ 18GHz, -60 ~ +20dBm, Type N, 50 Ω	85,000	B		1 month	B1
Analog communication equipment	UKK-6042	Calibration kit	Agilent	P11644	With WR-62 flange, 12.4GHz ~ 18GHz	400,000	B		7 days	B2
Analog communication equipment	TOK-1983	Noise source	Agilent	R347B	Waveguide tube, Noise source covering Frequency range 26.5 - 40GHz, ENR 12dB official announced	240,000	B		7 days	B2
Analog communication equipment	UKK-5502	RF Power sensor	ANRITSU	MA24106A	Frequency range: 50MHz ~ 6GHz, Measuring range: -40 ~ +23dBm, Input connector: N(plug)	40,000	A+B		7 days	B2
Analog communication equipment	UKK-6568	RF Power sensor	ANRITSU	MA2481A	Universal power sensor for ML2437A/ML2438A, Frequency range: 10MHz ~ 6GHz, 50 Ω , -60 ~ +20dBm, OP.01(CW High speed /Pulse measurement)	50,000	N		7 days	B2
Analog communication equipment	UKK-0489	RF Power sensor	ANRITSU	MA4601A	100kHz ~ 5.5GHz, -30 ~ +20dBm, 50 Ω	20,000	N		7 days	B2
Analog communication equipment	TOK-1927	RF power meter	ANRITSU	ML2437A	10MHz ~ 50GHz (by each sensor), Power measuring range: -70 ~ +47dBm (0.1nW ~ 50W), Voltage measuring range: 0.00 ~ 20.00V, Indication range: -99.999 ~ +99.999dB, Printer I/F, GP-IB, RS-232C required power sensor additionally	120,000	A+B		1 month	B1
Analog communication equipment	Y0736	RF power meter	ANRITSU	ML2438A	Frequency range: 10MHz ~ 50GHz (by each sensor), Power measuring range: -70 ~ +47dBm(0.1nW ~ 50W) (by each sensor)	251,000	A+B		6 months	R1
Analog communication equipment	UKK-4310	RF Tester	ANRITSU	ML8780A	For TD-LTE(MU878040A),	200,000	A+B	CFcard2GB,USBcable, battery charger,Z1119A,Z1527A,Z1237A	7 days	B1

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Analog communication equipment	UKK-6143	Linear Detetor	ANRITSU	MS61C	20M ~ 1000MHz(12 range) , Input : 100 ~ 126dBμ, Frequency demodulation range : 50Hz ~ 20kHz, Strain ratio : 0.5% oe less	80,000	C		1 month	B2
Analog communication equipment	UKK-6144	Linear Detetor	ANRITSU	MS61C	20M ~ 1000MHz(12 range) , Input : 100 ~ 126dBμ, Frequency demodulation range : 50Hz ~ 20kHz, Strain ratio : 0.5% oe less	80,000	C		1 month	B2
Analog communication equipment	TM425	RF Power sensor	ANRITSU	PSN50	50MHz ~ 6GHz, -30 ~ +20dBm, Cal Factor Correction	40,000	N		7 days	R2
Analog communication equipment	UKS-0054	CW Power sensor	KEYSIGHT	ECP-E26A	100pW ~ 100mW(-70dBm ~ +20dBm), 50MHz ~ 26.5GHz	100,000	N		7 days	B2
Analog communication equipment	TOK-2482	RF Power sensor	Bird	5011	40MHz ~ 4GHz, -20 ~ +10dBm	12,000	A+B		7 days	B2
Analog communication equipment	TOK-2484	RF Power sensor	Bird	5011	40MHz ~ 4GHz, -20 ~ +10dBm	12,000	A+B		7 days	B2
Analog communication equipment	TOK-2485	RF Power sensor	Bird	5011	40MHz ~ 4GHz, -20 ~ +10dBm	12,000	A+B		7 days	B2
Analog communication equipment	TOK-2487	Element	Bird	DPM50L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz, 1.25 ~ 50W	8,000	N		7 days	B2
Analog communication equipment	TOK-2488	Element	Bird	DPM50L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz, 1.25 ~ 50W	8,000	N		7 days	B2
Analog communication equipment	TR2693	Element	Bird	DPM-50L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz, 1.25 ~ 50W	7,000	N		7 days	R2
Analog communication equipment	TR2815	Element	Bird	DPM-50L2	Element for MODEL5000, Frequency range : 1990 ~ 2200MHz, 50W	7,000	N		7 days	R2
Analog communication equipment	TR2692	Element	Bird	DPM-50L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz, 1.25 ~ 50W	7,000	N		7 days	R2
Analog communication equipment	TR2816	Element	Bird	DPM-50L2	Element for MODEL5000, Frequency range : 1990 ~ 2200MHz, 50W	7,000	N		7 days	R2

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Analog communication equipment	TR2691	Element	Bird	DPM-50L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz,1.25 ~ 50W	7,000	N		7 days	R2
Analog communication equipment	TR2817	Element	Bird	DPM-5L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz , Power : 0.125 ~ 5W	7,000	N		7 days	R2
Analog communication equipment	TR2695	Element	Bird	DPM-5L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz , Power : 0.125 ~ 5W	7,000	N		7 days	R2
Analog communication equipment	TR2554	Element	Bird	DPM-5L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz , Power : 0.125 ~ 5W	7,000	N		7 days	R2
Analog communication equipment	TOK-2490	Element	Bird	DPM-5L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz , Power : 0.125 ~ 5W	8,000	N		7 days	B2
Analog communication equipment	TR2818	Element	Bird	DPM-5L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz , Power : 0.125 ~ 5W	7,000	N		7 days	R2
Analog communication equipment	TOK-2491	Element	Bird	DPM-5L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz , Power : 0.125 ~ 5W	8,000	N		7 days	B2
Analog communication equipment	TR2694	Element	Bird	DPM-5L2	Element for MODEL5000 , Frequency range : 1990 ~ 2200MHz , Power : 0.125 ~ 5W	7,000	N		7 days	R2
Analog communication equipment	TR2810	RF power meter	Bird	MODEL5000	Power measurement (μW,mW,W,kW,dBm)VSWR, Frequency range : 2MHz ~ 4GHz (by each sensor) , Measurement level : 10μW(- 20dBm) ~ 2.5kW(+ 64dBm) (by each sensor)	50,000	A+B	Hard case, English manual	7 days	R2
Analog communication equipment	TR2809	RF power meter	Bird	MODEL5000	Power measurement(μW,mW,W,kW,dBm)VSWR, Frequency range : 2MHz ~ 4GHz (by each sensor) , Measurement level : 10μW(- 20dBm) ~ 2.5kW(+ 64dBm) (by each sensor)	50,000	A+B	Hard case, English manual	7 days	R2
Analog communication equipment	TR2808	RF power meter	Bird	MODEL5000	Power measurement(μW,mW,W,kW,dBm)VSWR, Frequency range : 2MHz ~ 4GHz (by each sensor) , Measurement level : 10μW(- 20dBm) ~ 2.5kW(+ 64dBm) (by each sensor)	50,000	A+B	Hard case, English manual	7 days	R2
Analog communication equipment	TR2812	RF Power sensor	Bird	MODEL5010	Frequency range : 2MHz ~ 2700MHz (by element) , Measurement level : 125mW(+ 21dBm) ~ 2.5kW(+ 64dBm) (by element) , Max power : 2.5kW (by element)	30,000	A+B	English manual,Sensor cable,QC connector×2	7 days	R2
Analog communication equipment	TR2811	RF Power sensor	Bird	MODEL5010	Frequency range : 2MHz ~ 2700MHz (by element) , Measurement level : 125mW(+ 21dBm) ~ 2.5kW(+ 64dBm) (by element) , Max power : 2.5kW (by element)	30,000	A+B	English manual,Sensor cable,QC connector×2	7 days	R2

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Analog communication equipment	TR2813	RF Power sensor	Bird	MODEL5010	Frequency range : 2MHz ~ 2700MHz (by element) , Measurement level : 125mW(+ 21dBm) ~ 2.5kW(+ 64dBm) (by element) , Max power : 2.5kW (by element)	30,000	A+B	English manual,Sensor cable,QC connector×2	7 days	R2
Analog communication equipment	TR2814	RF Power sensor	Bird	MODEL5010	Frequency range : 2MHz ~ 2700MHz (by element) , Measurement level : 125mW(+ 21dBm) ~ 2.5kW(+ 64dBm) (by element) , Max power : 2.5kW (by element)	30,000	A+B	English manual,Sensor cable,QC connector×2	7 days	R2
Analog communication equipment	TR2821	RF Power sensor	Bird	MODEL5011	Power sensor Termination type , 40MHz ~ 4GHz,-20 ~ +10dBm , 50Ω N(plug)	31,000	A+B	English manual,Sensor cable	7 days	R2
Analog communication equipment	TR2822	RF Power sensor	Bird	MODEL5011	Power sensor Termination type , 40MHz ~ 4GHz,-20 ~ +10dBm , 50Ω N(plug)	31,000	A+B	English manual,Sensor cable	7 days	R2
Analog communication equipment	TR2820	RF Power sensor	Bird	MODEL5011	Power sensor Termination type , 40MHz ~ 4GHz,-20 ~ +10dBm , 50Ω N(plug)	31,000	A+B	English manual,Sensor cable	7 days	R2
Analog communication equipment	TR2823	RF Power sensor	Bird	MODEL5011	Power sensor Termination type , 40MHz ~ 4GHz,-20 ~ +10dBm , 50Ω N(plug)	31,000	A+B	English manual,Sensor cable	7 days	R2
Analog communication equipment	TR2819	RF Power sensor	Bird	MODEL5011	Power sensor Termination type , 40MHz ~ 4GHz,-20 ~ +10dBm , 50Ω N(plug)	31,000	A+B	English manual,Sensor cable	7 days	R2
Analog communication equipment	UKK-4986	RF power meter	Rohde & Schwarz	NRT	R Power Meter, main part, Frequency range(Hz) : 200k ~ 4G Measuring level (dBm):0.007 ~ 120W Ch connector : 4 ch、 RF Power sensor Frequency range (Hz) : 200M ~ 4G Measuring level/(dBm) : 0.03 ~ 120W Frequency range (Hz) : 200M ~ 4G Ch connector : Type N 50Ω	160,000	C		1 month	B2
Analog communication equipment	UKK-6114	RF Power sensor	Rohde & Schwarz	NRT-Z44	Frequency range : 200MHz ~ 4GHz Measuring level : +4.8dBm ~ +50.8dBm(3mW ~ 120W) Connector : Type N 50Ω	150,000	A+B	English manual, CD-ROM	7 days	B2
Analog communication equipment	TOK-2516	Telephone circuit tester	Ohl Denki	MS-611	Test for signals of degital circuit for PBX-PBX 300 ~ 40000Hz、 Signal test	80,000	A+B		7 days	B2
Audio Relation Instruments	UKK-2044	Audio analyzer	LEVEAR	VP-7723D	Audio Oscillator ; Frequency range : 5Hz ~ 110kHz, Warp index : 0.0005% (1kHz representative actual surveying measurement) ,DC level : 100.0V ~ 0.316V (F.S.), AC level , Measuring warp index , Measuring Filter , 100point memory function , Print out function, With GP-IB	160,000	C		1 month	B2
Audio Relation Instruments	UKK-5373	Frequency analyzer	NF	FRA5095	Display : LCD Color, FDD equipped, Frequency range : 0.1mHz ~ 2.2MHz、 Resolution : 0.1mHz、 Amplitude : AC:0V ~ 10.0Vpeak、 DC:-10.0V ~ 10.0V、 Resolution : 10mV、 Input channel : 2ch、 Accuracy : ±10ppm、 Gain accuracy : ±0.05dB、 Phase angle accuracy : ±0.3°, Dynamic rang	600,000	C		1 month	B2

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Audio Relation Instruments	UKK-5371	Frequency analyzer	NF	FRA5095	Display : LCD Color, FDD equipped, Frequency range : 0.1mHz ~ 2.2MHz, Resolution : 0.1mHz, Amplitude : AC:0V ~ 10.0Vpeak, DC:-10.0V ~ 10.0V, Resolution : 10mV, Input channel : 2ch, Accuracy : ±10ppm, Gain accuracy : ±0.05dB, Phase angle accuracy : ±0.3°, Dynamic rang	600,000	C		1 month	B1
Audio Relation Instruments	UKK-4396	AC Voltmeter	NF	M2170	Frequency range : 5Hz ~ 20MHz, Can adjust sensitivity 10dB up continuously, with AC output, DC output	130,000	C		1 month	B1
Audio Relation Instruments	TOK-2474	Filter	NF	P84	Filter unit for MS500 series , Frequency range : 1Hz ~ 16kHz,1ch , Inclination of attenuation : 48dB/Oct, Input impedance : 1MΩ, Filter : LPF·HPF Required Main frame (MS52series) additionally	20,000	N		7 days	B2
Audio Relation Instruments	TOK-2475	Filter	NF	P84	Filter unit for MS500 series , Frequency range : 1Hz ~ 16kHz,1ch , Inclination of attenuation : 48dB/Oct, Input impedance : 1MΩ, Filter : LPF·HPF Required Main frame (MS52series) additionally	20,000	N		7 days	B2
Audio Relation Instruments	UKK-5040	LF Oscillator	SHIBASOKU	AG15B	Frequency range : 5Hz ~ 109.9kHz±1% changeable	120,000	C		1 month	B2
Audio Relation Instruments	UKK-1859	Audio analyzer	Panasonic Mobail	VP-7722A	10Hz ~ 110kHz,THD:0.0001%(typ),130dB	160,000	C		1 month	B2
Audio Relation Instruments	TOK-1978	Wow-Flutter calibrator	Minato-Electronics	3101	Signal generator for wow-flutter/jitter meter	36,000	C		7 days	B3
Audio Relation Instruments	KD0002	CD Meter	KOKUYO	KC-230	Measuring items : Capacitance(CX), Loss ratio(DX),Measuring range : CX:0.001μF ~ 19.99mF,	143,000	A+B		7 days	R2
Audio Relation Instruments	KD0001	CD Meter	KOKUYO	KC-230	Measuring items : Capacitance(CX), Loss ratio(DX),Measuring range : CX:0.001μF ~ 19.99mF,	143,000	A+B		7 days	R2
Oscilloscope	UKK-5798	Probe power supply	R&S	RT-ZA13	The number of channel : 4 , Output voltage : ±12V Output current : :2.5A max. , Input voltage : AC100 ~ 240V * Required Current probe additionally.	40,000	A+B	Power code, English manual	7 days	B2
Oscilloscope	UKK-5795	Current probe	R&S	RT-ZC10	Frequency range : DC ~ 10MHz, Sensitivity:0.01V/A, Measuring current : Max. 150Arms(in succession) max., ,Measuring conductor : φ20mm diameter , Ourput terminal BNC, Power supply : ±12V, * Required power supply RT-ZA13 and others	180,000	B	English manual	7 days	B2
Oscilloscope	UKK-5794	Current probe	R&S	RT-ZC10	Frequency range : DC ~ 10MHz, Sensitivity:0.01V/A, Measuring current : Max. 150Arms(in succession) max., ,Measuring conductor : φ20mm diameter , Ourput terminal BNC, Power supply : ±12V, * Required power supply RT-ZA13 and others	180,000	B	English manual	7 days	B2
Oscilloscope	4TG-6860	Differential probe	Agilent	1130A	10 : 1 differential / single end active, DC ~ 1.5 GHz , Input impedance : 50 kΩ / 0.27 pF , Dynamic range : ±2.5 V, Offset : ±1.2 V, Connector : Auto Probe	60,000	A		7 days	B2
Oscilloscope	TK23-0050	Active probe	Agilent	1145A	Active probe for SMD, Bandwidth : DC-750MHz, Input impedance : 1MΩ, Input capacitance : 2.0pF, Attenuation ratio : 10X	20,000	N		7 days	B2
Oscilloscope	TO32-	Active probe	Agilent	1152A	Active probe for 54845A/46A/35A, DC ~ 2.5GHz,0.6pF,100kΩ	20,000	A+B		None	B3
Oscilloscope	Y0720	Probe Amp.	Agilent	1169A	Frequency range : 12GHz, Dynamic range : 3.3Vp-p(± 1.65V), Offset range : ± 16.0V(single end)	613,000	A+B		None	R2
Oscilloscope	TM397	Active probe	Agilent	54701A	2.5GHz, 0.6pF, 50Ω, Attenuation ratio : 10 : 1	40,000	A		7 days	R2
Oscilloscope	TM398	Active probe	Agilent	54701A	2.5GHz, 0.6pF, 50Ω, Attenuation ratio : 10 : 1	40,000	A		7 days	R2
Oscilloscope	UKK-5433	DC Oscilloscope	Agilent	86100A	Standard equipment : 3.5FD & Super disk (120MB) driver , WindowsOS, * Can use max. 2 of Plug-in module (series 861 X XA & 8348 XA)	1,600,000	C	86105A×2	1 month	B2

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Oscilloscope	UKS-0047	Active probe	Agilent	N5426A	12GHz, Differential input : 50kΩ, Differential input capacitance : 0.33pF, Single-end input impedance : 25kΩ, Single-end input capacitance : 0.53pF	10,000	N	case	None	B3
Oscilloscope	UKK-6530	Signal Analyzer	ANRITSU	MS2691A	Frequency Range : 50Hz ~ 13.5GHz, Resolution Range : 30 ~ 3MHz (1-3 sequence)5,10,20MHz Max.input level : Continuous wave ave.power ± 30dBm(Input attenuator≥10dB) RF input : N(f), 50Ω I/F:Ethernet/GP-IB(1EEE488.2)/USB2.0,MX268031A,MX269010A,MX269020A,MX269030	1,200,000	A + B	OPT:001,003,008,CD-ROM SOFTWARE, MOUSE, USB MEMORY	7 days	B2
Oscilloscope	UKK-3988	Probe power	Tektronix	1101A	Osilloscope P62xtype with no power source for probe	20,000	C		7 days	B2
Oscilloscope	UKK-1739	Oscilloscope	Tektronix	2467B	DC ~ 400MHz with automatic measure fancement, Visual writing speed : Max. 4div/ns. Sweep ratio : Max 500ps/div	100,000	C		7 days	B2
Oscilloscope	UKK-6501	Oscilloscope	Tektronix	2467BHD	DC ~ 400MHz, 4CH, Vertical sensitivity : 2mV/div ~ 5V/div(1 ~ 2ch),0.1V/div ~ 0.5v/div(3 ~ 4ch), Time axis A : 0.5s/div ~ 5ns/div, Time axis B : 50ms/div ~ 5ns/div	100,000	C		7 days	B2
Oscilloscope	TS13-0940	Current Probe	Tektronix	AM503/TM501A	Amplifier : AM503 (Sensitivity : 10mV/div) , Main part of power source : TM501A	50,000	C		1 month	B1
Oscilloscope	TO32-4727	Current probe	Tektronix	AM503/TM502A	Amplifier : AM503 (Sensitivity : 10mV/div) , Main part of power source : TM502A	50,000	C		1 month	B1
Oscilloscope	TR2900	FET Probe	Tektronix	P6202A	Frequency range : DC ~ 500MHz , Max.operating voltage : ±6V, Offset range : 55V, Input capacitance : 2pF, Attenuation ratio : 10:1	27,500	A+B	1101A(Power supply of probe)	7 days	R2
Oscilloscope	TR2899	FET Probe	Tektronix	P6202A	Frequency range : DC ~ 500MHz , Max.operating voltage : ±6V, Offset range : 55V, Input capacitance : 2pF, Attenuation ratio : 10:1	27,500	A+B	1101A(Power supply of probe)	7 days	R2
Oscilloscope	TOK-2411	FET Probe	Tektronix	P6243	Frequency range : DC ~ 1GHz, Impur resistance : 1MΩ, Attenuation ratio : 10:1. Input voltage : ±40V	30,000	A+B	crack appears on probe tip	7 days	B2
Oscilloscope	UKK-5791	FET Probe	Tektronix	P6245	Active FET probe for SMD, 1.5GHz(single probe), 10:1, 1MΩ, Input capacitance : Max. 1pF. Dynamic range : ±8.0V. Cable : 1.3m long	40,000	A+B	English manual	7 days	B2
Oscilloscope	TR2897	Differential probe	Tektronix	P6248	Frequency range : DC ~ 1.7GHz, Max.differential operating voltage : ±8.5V, Offset ragge : ±7V, Diffrential input capacity : < 1pF, Impedance : 50Ω, TekProbe interface2	154,000	A+B		7 days	R2
Oscilloscope	TTR-1368	Active Probe	LeCroy	HFP1500	Frequency range : DC ~ 1.5GHz, Attenuation ratio : 10:1, Input impedance/capacitance : 100kΩ/0.7pF, Input voltage range : ±8V , Max. 40Vpk	20,000	A		7 days	B2
Oscilloscope	UKS-0008	FET Probe	IWATSU	SFP-5A	Frequency range : DC ~ 1GHz, Input capacitance : 1.9pF, Input resistance : Approx.1MΩ. Attenuation ratio : 10:1. Cable length : 1.5M	20,000	N		7 days	B2
Oscilloscope	UKS-0007	FET Probe	IWATSU	SFP-5A	Frequency range : DC ~ 1GHz, Input capacitance : 1.9pF, Input resistance : Approx.1MΩ. Attenuation ratio : 10:1. Cable length : 1.5M	20,000	N		7 days	B2
Oscilloscope	Y0807	Oscilloscope	IWATSU	SS-7840	DC ~ 400MHz, Input range : 2mV ~ 5V/div, Sweeping time : Max. 500ps/div, with HDTV synchronaization , High speed automatic set-up function	189,000	A+B	SS-101R(probe)X2pcs	6 months	R1
Oscilloscope	UKK-4392	Oscilloscope	IWATSU	SS-7840H	DC ~ 470MHz, 4ch , Input range : 2mV ~ 5V/div , Sweeping time : Max. 500ps/div 100MS/s with HDTV synchronaization , High speed automatic set-up function	130,000	C		1 month	B1
Spectrum Analyzer	4G-0946	Spectrum Analyzer	Agilent	8560E	Frequency range : 30Hz ~ 2.9GHz, RBW : 1Hz ~ 1MHz,2MHz, Amplitude;Range : Display Ave. noise level ~ +30dBm, Color LCD, Time domain measurment, Leakage power of proximity channels, Channel power, Carrier power	350,000	B	C, Front cover	1 month	B2
Spectrum Analyzer	4G-0947	Spectrum Analyzer	Agilent	8561E	Frequency range : 30Hz ~ 6.5GHz, RBW : 1Hz ~ 1MHz, Measuring range : - 145 ~ +30dBm, Gated VTR, Leakage power of proximity channels, Possession range measuring function. Option#007 : Digitized high speed time Sweep domain	400,000	C	Front cover, OP:007	1 month	B2
Spectrum Analyzer	UKK-1984	Spectrum Analyzer	Agilent	8562E	Frequency range : 30Hz ~ 13.2GHz, RBW:1Hz ~ 3MHz,50Ω,85620A Mass memory module	480,000	C	85620A mass memory	1 month	B2

Category	Product CD	Product name	Mnufacture	Model	Specification	Selling price (Net JPY)	Accessory (*1)	Option	Warranty period(*2)	Rank code(*3)
Spectrum Analyzer	4TG-5435	Spectrum Analyzer	Agilent	8592B	Frequency range : :9kHz ~ 22GHz , Resolution range : 1kHz ~ 5MHz , Amplitude range : -114 ~ +30dBm, Sweep range : :20ms ~ 100s , RF Input : N type plug 50Ω, CAL output : BNC receptacle , GP-IB, Measurement : W325 x H163 x D427 mm Weight : Approx. 14.5kg	400,000	C		1 month	B1
Spectrum Analyzer	UKK-1154	Spectrum Analyzer	Agilent	8596E	Frequency range : 9kHz ~ 12.8GHz, Resolution range : 1KHz ~ 3MHz, Amplitude measuring range : 127dBm ~ +30dBm, Measuring leakage current of neighboring channels , Measuring occupied frequency range , Op . 041 (GPIB and parallel IF)	300,000	C	op:041	1 month	B1
Spectrum Analyzer	4TG-5336	Spectrum Analyzer	Agilent	E4403B	Frequency range : 9kHz ~ 3GHz, RBW : 1kHz ~ 3MHz	380,000	C		1 month	B1
Spectrum Analyzer	UKK-5516	Spectrum Analyzer	Agilent	N9340B	Frequency range : 9kHz ~ 3GHz, Average display noise Lv(DANL) : -144dBm, Amplitude accuracy ±1.5dB, Sweep time < 0.1s, (Full sdpn 3GHz)	450,000	A+B	CD-ROM, Earphone, Screw driver, USB cable	1 month	B2
Spectrum Analyzer	TO32-5859	Spectrum Analyzer	ADVANTES T	R3132N	Frequency range : 9kHz ~ 3GHz, RBW : 1kHz ~ 3MHz, 6.5 inch TFT color LCD indication, FDD, GP-IB, 75Ω, Option 74 : 3GHz tracking generator	250,000	A+B	repair is not available	1 month	B1
Spectrum Analyzer	TK27-0228	Spectrum Analyzer	ADVANTES T	R3273	Frequency range : 100Hz ~ 26.5GHz, RBW : 10Hz ~ 10MHz 5MHz, Measuring range , -125 ~ +dBm,, 50Ω, N type, GP-IB, FDD, option : 01 (modulation analysis)	500,000	C	Op . 01,21,62	1 month	B1
Spectrum Analyzer	TK16-0640	Spectrum Analyzer	ADVANTES T	R4131DN	10KHz ~ 3.5GHz, RBW : 1KHz ~ 1MHz, Measuring range : -110dBm ~ +20dBm, Measuring : Intensity of electric field, OP, GP-IB, Zin=75Ω	140,000	C		7 days	B2
Spectrum Analyzer	TR2671	Spectrum Analyzer	ADVANTES T	U3641N	Frequency range : 9kHz ~ 3GHz, RBW : : kHz ~ 3MHz, Measuring range : +130μV ~ Ave. indication for noise level, Type N, GP-IB, color LCD, can use battery by option Zin=75Ω	230,000	A+B		7 days	R2
Spectrum Analyzer	TR2832	Spectrum Analyzer	ADVANTES T	U3641N	Frequency range : 9kHz ~ 3GHz, Resolution range : 1kHz ~ 3MHz, I/F:GPIB·RS232, Op20 : Resolution range in narrow bamd, Op15 : Standard oscillator	180,000	A+B	OP:15,20, conversion connector	7 days	R2
Spectrum Analyzer	UKK-5455	Spectrum Analyzer	ADVANTES T	U3741	Frequency range : 9KHz ~ 3GHz, Resolution range : 100Hz ~ 1MHz, Amplitude indication, Dynamic indication range * 123dB, Input impedance 50 Ω , 3 way battery (required battery pack)	300,000	C	15(75Ω)	1 month	B1
Spectrum Analyzer	4TG-5853	Spectrum Analyzer	ANRITSU	MS2721A	Frequency range : 100 kHz - 7.1 GHz, Ave. indication for noise level ~ +30dBm, handheld type, with soft carrying case	400,000	A+B		1 month	B1
Spectrum Analyzer	TK27-0376	Spectrum Analyzer	ANRITSU	MS2723B	Frequency range : 9KHz ~ 13GHz, Aging rate : ±1ppm/10years, Resolution range : 1Hz ~ 3MHz, Measuring range : -159dBm ~ +30dBm, 5 0 Ω , Type N	600,000	A	Op . 25 Repair service possible until 2017. Other	1 month	B1
Spectrum Analyzer	TM419	Spectrum Analyzer	ANRITSU	MS2724B	Frequency range : 9kHz ~ 20GHz, Aging rate : ±1ppm/10years, Resolution range : 1Hz ~ 3MHz, Measuring range : -159dBm ~ +30dBm , 50Ω , Type N, OP9, 19, 25, 31, 33, 34, 42, 43, 62, 63, 66, 67	700,000	A+B	Japanese manual, N-N Cable, Hard case	7 days	R2
Spectrum Analyzer	TO32-5813	Spectrum Analyzer	ANRITSU	MS2724B	Frequency range : 9kHz ~ 20GHz, Aging rate : ±1ppm/10years, Resolution range : 1Hz ~ 3MHz, Measuring range : -159dBm ~ +30dBm, 5 0 Ω, Type N,	800,000	A+B	Op . 009/019/025/044/045 , YP-1079A	1 month	B1
Spectrum Analyzer	UKK-5918	Spectrum Analyzer	ANRITSU	MS2724C	Frequency range : 9kHz ~ 20GHz, Aging rate : ±1ppm/10years, Resoltion range : Hz ~ 10MHz, Type N, op.9,19,31,44,65,541,542,543	900,000	A+B	YP-1079B,PSN50,GPS Antenna	1 month	B1
Spectrum Analyzer	TM431	Spectrum Analyzer	Tektronix	RSA3303A	DC ~ 3GHz, Memory : 256MB, Modulation analysis : AM· FM· (ASK,FSK)· PM· Digital modulation , Real time Frequency input : 15MHz, Measuring level : -50 ~ +30dB	500,000	C	OP-02, 21 Front cover, Mouse, Keyboard	7 days	R2
Spectrum Analyzer	UKK-6290	Real time spectrum analyzer	Tektronix	RSA3408A	DC ~ 8GHz, Max. real time range (RF) : 36MHz, Resolution : 0.1Hz, -10 ~ +6dbm, Aging rate : 1 x 10-7/year, 5 0 Ω, GP-IB, 10/100BASE-T, U S B 1 x 2 ports	1,000,000	C	opt:06,A6,L5,02,1A,21	1 month	B2
Spectrum Analyzer	UKK-6636	Coupler	NARDA	3001-30	Directional coupler, 460 ~ 950MHz, 30dB	20,000	N		7 days	B2

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Spectrum Analyzer	UKK-6599	Signal analyzer	Rohde & Schwarz	FSV13	Frequency range : 10Hz ~ 13.6GHz RBW : 1 ~ 10MHz, Connector : N type (Receipt) 50Ω	2,000,000	A+B	OP:B1,B14,B18,B22,B25,K9,K72,K100	1 month	B2
Digital Oscilloscope	Y0827	Digital Oscilloscope	Tektronix	TDS3064B	600MHz, 4ch, Max. sample rate : 5GS/s, Max. length of code : 10k point, Vertical resolution : 9bit, 1mV ~ 10V/div, 1ns ~ 10s/div, Automatic measuring (25 ways) FFT LAN	450,000	A+B		7 days	R1
Digital Oscilloscope	TOK-1061	Electric Module	CRESCENT HEART SOFTWARE	ATM-1	Automatic trigger module	10,000	A		None	B3
Digital Oscilloscope	Y0794	Digital Oscilloscope	Agilent	MSO6054A	Channel : 4ch + Logic 16ch, Frequency range : 500MHz, Sampling : Max. 2GS/s	500,000	A+B	One set	6 months	R1
Digital Oscilloscope	UKK-4790	Digital Oscilloscope	Tektronix	MSO4034B	Channel : 4ch + Logic 16ch, Analog : 350MHz, 2.5GS/s(4ch), Recording length : 20M pts, Boot time : 1ns, Connector : TekVPI, BNC(receipt), Digital : 20M pts, 500MS/s	900,000	A+B	PP0500×4,P6616,LabVIEW SignalExpress	1 month	B1
Digital Oscilloscope	Y0826	Digital Oscilloscope	Tektronix	TDS3054B	4ch, Frequency range : 500MHz, Max sampling : 2.5GS/s, Memory : 10k	400,000	A+B		7 days	R1
Digital Oscilloscope	3N004	Digital Oscilloscope	Tektronix	TDS3BAT	For TDS3000, Battery only	57,500	A+B		7 days	B3
Digital Oscilloscope	TM427	Digital Oscilloscope	Tektronix	TDS5104B	500MHz, 4ch, 1mV/div ~ 10v/div(1MΩ), 1mV/div ~ 1V/div(50Ω), 200ps/div ~ 1000s/div, 10.4TFT(640X480)	300,000	A	OS Resource CD, Product soft CD,	7 days	R2
Digital Oscilloscope	UKK-3806	Digital Oscilloscope	Lekroy	LT372	500MHz,2ch,	140,000	C		1 month	B1
Digital Oscilloscope	Y0708	Digital Oscilloscope	YOKOGAWA	7013-31(DL9710L)	D L 9 7 1 0 L , Analog 4 c h + Logic 3 2 bits, Frequency range : 1 G H Z , Sampling rate : M a x . 5 G S / s (2 . 5 G S / s) , 6 . 2 5 M W Memory / c h , U S B (t y p e B) - P C terminal x 1 , U S B (t y p e A) , peripheral device terminal x 2 , P C card 1 / Ex 2	1,200,000	A+B	-M-HJ/L4/B5/P4/C8/G4/F8	6 months	R1
Digital Oscilloscope	IT0120	Digital Oscilloscope	YOKOGAWA	7014-80 (DL7480)	8ch + Logic 16bits(required logic rope), Frequency characteristic : 500MHz(50Ω at input, 1V/div ~ 10mV/div), 8MW memory (16MW memory at half channel), Sampling rate : 1GS/S(2GS/S at half channel), J1: FDD, N4 : Logic input for 16m Word	224,000	C	J1.N4	7 days	R2
Digital Oscilloscope	UKK-3619	Digital Oscilloscope	YOKOGAWA	7014-80 (DL7480)	8ch + Logic 16bits(required logic rope), Frequency characteristic : 500MHz(50Ω input, 1V/div ~ 10mV/div), 8MW memory (16MW memory at half channel), Sampling rate : 1GS/S(2GS/S at half channel), Op.B5(Built-in printer), C10(Ethernet interface), G4(Power anal	300,000	C	opt:B5/P4/N4/C10/G4	1 month	B2
Digital Oscilloscope	UKK-3616	Digital Oscilloscope	YOKOGAWA	7014-80 (DL7480)	8ch + Logic 16bits(required logic rope), Frequency characteristic : 500MHz(50Ω at input, 1V/div ~ 10mV/div), 8MW memory (16MW memory at half channel), Sampling rate : 1GS/S(2GS/S at half channel)	300,000	C	B5,P4,N4,C10,G2	1 month	B2
Digital Oscilloscope	UKK-4395	Digital Oscilloscope	YOKOGAWA	701540(DL1540CL)	4ch, Max.sampling rate ; Normal : 200MS/s(at 2ch), Equipment time : 20GS/s, Effective storage frequency ; Repetition : 150MHz, Single wave form : 80MHz(at 2ch) B5 Built-in printer, E1: Extention trigger function	120,000	A	OPT:-M,B5,F1, Probe(700960)×4	1 month	B2
Digital Oscilloscope	UKK-3704	Digital Oscilloscope	YOKOGAWA	701620(DL1640L)	DL1640L, 4CH, Sampling rate : Max. 200MS/s, Frequency : 200MHz, Resolution : 8bit, Memory : 32MWord/ch(at single trigger model), Op . J1(FDD) , B5(Built-in printer), C10(Ethernet + USB) , Probe* (700960) x 4	260,000	A+B	AC-M-J 1 /B5/P4/C10/F7,700960×4,	1 month	B1
Digital Oscilloscope	Y0709	Digital Oscilloscope	YOKOGAWA	7017-30(DL1740E)	DL1740E, 4ch, Sampling rate : Max. 1 GS/s (at 2 c h) , Frequency range : DC ~ 500MHz, Resolution : 8 b i t , Recording length : 2 M w o r d / c h (at 2 c h) , Measument : 220W×265.8H×264.1Dmm, Weight : Approx. 5.5kg	400,000	A+B		6 months	R1
Digital Oscilloscope	Y0742	Digital Oscilloscope	YOKOGAWA	7017-40(DL1740E)	4ch, Frequency range : 500MHz , Sampling rate : Max. 1GS/s	490,000	A+B	700988×4, Case×1, Front cover	6 months	R1
Digital Oscilloscope	TM285	Digital Oscilloscope	IWATSU	DS-8623	DC ~ 200MHz (equivalent sampling time) ,4ch,8bit, Sampling rate : Max. 200MS/s (1ch of ch1) , Real time , Full remote control function , Cathode ray tube : 7inch GP-IB	250,000	B		7 days	R2

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Digital Oscilloscope	TM284	Digital Oscilloscope	IWATSU	DS-8623	DC ~ 200MHz (equivalent sampling time) ,4ch,8bit, Sampling rate : Max. 200MS/s (1ch of ch1) , Real time , Full remote control function , Cathode ray tube : 7inch GP-IB	250,000	B		7 days	R2
Digital Oscilloscope	TM283	Digital Oscilloscope	IWATSU	DS-8623	DC ~ 200MHz (equivalent sampling time) ,4ch,8bit, Sampling rate : Max. 200MS/s (1ch of ch1) , Real time , Full remote control function , Cathode ray tube : 7inch GP-IB	250,000	B		7 days	R2
Digital communication equipment	UKK-6559	Pulse Pattern Generator	Agilent	81133A	Frequency range : 15MHz ~ 3.35GHz, Period range : 298.5ps ~ 66.6ns, 1ch model	1,500,000	A+B	USB7-7' II,CD-ROM	1 month	B2
Digital communication equipment	UKK-5406	Communication Analyzer	Agilent	83480A	83480A Main frame , Range : 50GHz	50,000	C		7 days	B3
Digital communication equipment	UKK-5405	Communication Analyzer	Agilent	83480A	83480A Main frame , Range : 50GHz	50,000	C		7 days	B2
Digital communication equipment	TK21-0404	Vector signal analyzer	Agilent	89441A	Frequency range : DC ~ 2.65GHz, RF Section Kit	300,000	A	Opt.AYA/UFG	1 month	B1
Digital communication equipment	UKK-4489	Vector analyzer	Agilent	8980A	1kHz-350MHz	60,000	C		7 days	B2
Digital communication equipment	TK35-0079	IP network analyzer	ANRITSU	MD1231A1	Main part , Corresponding Physical interface of 10Mbit/s ~ 10Gbit/s, Numbers of main part slot : 2, Required module additionally	80,000	C		1 month	B1
Digital communication equipment	IT0104	Digital modulation signal generator	ANRITSU	MG3681A	For 3 G P P Frequency range : 250KHz ~ 3GHz, Level : -143 ~ +13dBm / 0.01Resolution, Max. 5 1 2 multiple, Q P S K · H P S K modulation, 5 0 Ω, Type N	187,000	C		7 days	B2
Digital communication equipment	IT0103	Digital modulation signal generator	ANRITSU	MG3681A	For 3 G P P Frequency range : 250KHz ~ 3GHz, Level : -143 ~ +13dBm / 0.01Resolution, Max. 5 1 2 multiple, Q P S K · H P S K modulation, 5 0 Ω, Type N	187,000	C	Op . 02,11 MU368040A,MX368041, MU368030A	7 days	B2
Digital communication equipment	TK24-0468	Error rate tester	ANRITSU	MP1651A	3GHz Detective frequency of error ratio : 50M ~ 3GHz, High speed 3GBERT reception , Detective frequency pattern , : 7 ~ 31step, Data pattern : 524288bit , Measuring items : Error ratio/error number/error interval/EEI/clock frequency, Printer GP-IB	160,000	C		7 days	B2
Digital communication equipment	UKK-4352	Error detector	ANRITSU	MP1762C	Frequency range : 0.05 ~ 12.5GHz, Repetition pattern : Similar random pattern/data/alternate/Continuous zero insertion	300,000	C		1 month	B2
Digital communication equipment	TO32-5883	Digital moving tester	ANRITSU	MS8609A	Dijigital moving tester for 3GPP , Frequency range : :9k ~ 13.2GHz, Spectrum analyzer (covering resolution range upto 20MHz), Modulation analyzer, built-in power meter	360,000	A+B	Op . 04,05,08,31,32	1 month	B1

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Digital communication equipment	TK35-0032	Cable Tester	Sunrise Telecom	CM800	C A T V intergated test tool, Modulation system : 64/256QAM (down) , QPSK/16QAM (up) , measuring level, Level accuracy : ±1.0dB, 50 ~ 860MHz, Cable modem ranging , PING/TraceRoute/throughput , CMDHCP/TFTP/PCDHCP, MER, BER, Constellation, Cable modem output level	40,000	A+B		7 days	B2
Digital communication equipment	TK35-0078	OTN/EoS Analyzer	Sunrise Telecom	STT-ONE	For equipments for next generation backbone network , Based on testing function of OTN (OTU1/2) 、 VCAT/LCAS/EoS、 SDH/SONET	200,000	A+B		7 days	B2
Digital communication equipment	UKK-4153	Handy Line monitor	Sunrise Telecom	SUNSET MTT	Measuring function : TDR function (distance, reflection), Insertion loss, Background noise, Impulse noise, NEXT,FEXT,DC voltage, AC voltage, Resistance, Capacity	100,000	A+B	SAS80-850×1,SAS80-1310×1, Carrying case, Opitcal cable, LAN cable	1 month	B1
Digital communication equipment	UKK-5946	Data Genetator	Tektronix	DG2030	Operating mode : repetition, single step, extention mode Memory : data memory (256k*8bit) Data output : clock frequency (0.1Hz ~ 409.6MHz), output pattern (90 ~ 262144word), Ch (op-1:8ch) Data rate : 0.1b/s ~ 409.6Mb/s(NRZ) I/F : GPIB, RS-232C	120,000	C	OPT:OP-01	1 month	B2
Digital communication equipment	UKK-5719	GPIB Communication board	National Instruments	PCI-GPIB	NI-488.2 Interface	15,000	N		7 days	B2
Digital communication equipment	UKK-6616	Digital Cable analyser	Rohde & Schwarz	ZVH4	Frequency range : 100kHz ~ 3.6GHz, Frequency resolution : 1Hz, Output power : 0 ~ -40dBm, Measuring reflection, Measuring DTF, Measuring 1port cable loss	350,000	A+B		1 month	B2
Digital communication equipment	UKK-2239	Wireless communication tester	YOKOGAWA	VC3300	Power range of Transmission and reception/Downlink transmission : -10 ~ -120dBm, /Uplink reception : +35 ~ -70dBm(WCDMA), -W(WCDMA test softwear application installed) , -C1(GP-IB)	50,000	A+B	733020,OPT:W/C1	7 days	B3
TV/VTR instruments	4G-0785	Video encoder	AMT	CE410S	Coror encoder (ECAM system), Input signal : R,G,B signal (analog) 0.7Vp-p 75Ω, R,G,B signal (digital), TTL level HIGHT, Output signal : V B S, 1 Vp-p 75Ω (3 systems), Output signal level execution : LUM/SYNC/CHROMA	15,000	B		7 days	B2
TV/VTR instruments	TOK-2165	TV Color analyzer	Konica Minorta	CA-100Plus	C R T color analyzer , Brightness range : 0 . 0 5 ~ 1 0 0 0 c d / m2, Memory channel : 1 0 0 , Digital display (x y L v , T ^ u v L v , R G B , X Y Z , u ' V ' L v) , Analog display (^ x , ^ y , ^ L v , R / G , B / G , ^ R , B / R , G / B) , Analyzing function	80,000	A+B		7 days	B2
TV/VTR instruments	UKK-4951	TV Test signal generator	Leader	LG3850	Frequency range : 50 ~ 900MHz, Level range : 10 ~ 99dBμV, BNC Connector 75Ω, with LG3850SER02(ISDB-T SOFTWARE)	60,000	A+B	USB7-7' II,CD-ROM	7 days	B3
TV/VTR instruments	UKK-4952	TV Test signal generator	Leader	LG3850	Frequency range : 50 ~ 900MHz, Level range : 10 ~ 99dBμV, BNC Connector 75Ω, with LG3850SER02(ISDB-T SOFTWARE)	60,000	A+B		7 days	B3
TV/VTR instruments	TR2699	Patern generator	Leader	LT416	Coror system : NTSC/PAL/SECAM/NTSC4.43, Test pattern : 15kinds, S terminal, RF output, Composite, Y/C separating output, Sound output(RCA jack)	64,000	C		7 days	R2
TV/VTR instruments	TR2700	Patern generator	Leader	LT416	Coror system : NTSC/PAL/SECAM/NTSC4.43, Test pattern : 15kinds, S terminal, RF output, Composite, Y/C separating output, Sound output(RCA jack)	64,000	C		7 days	R2
Logic Analyzer	Y0587	Logic Analyzer	Agilent	1682AD	8 0 0 M H z (half c h) , 4 0 0 M H z (full c h) Timing/2 0 0 M H z state analyzer 6 8 c h , Trace memory : 4 Mbit (half c h) , 2 Mbit (full c h) / c h , 1 5 G B H D D , Centronics, C D - R O M drive, L A N I / F	609,000	A+B		6 months	R1

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Circuit element/Magnetic instruments	UKK-6331	Semiconducting palameter analyzer*	Agilent	4145B	Measuring function : Voltage/measuring unit(SMU) : 4ch, Current range : 1pA ~ 100mA, Voltage range : $\pm 1\text{mV} \sim \pm 100\text{V}$	280,000	C		7 days	B2
Circuit element/Magnetic instruments	UKS-0021	Probe	Agilent	41941A	Impedance examination kit for 4194A Γ : 50 Ω	80,000	A		7 days	B1
Circuit element/Magnetic instruments	UKK-3845	Network spectrum analyzer	Agilent	4195A	10Hz ~ 500MHz, Resolution : 3Hz ~ 300KHz, Measuring range : -135 ~ +20dBm, Color CRT, with HP-IB	300,000	C		1 month	B1
Circuit element/Magnetic instruments	UKK-5293	Capacitance meter	Agilent	4288A	Measuring parameter : Cs,Cp,D,Q,Rs,Rp,G Test frequency : 1kHz/1MHz	300,000	A	16334A(TEST FIXTURE)	1 month	B1
Circuit element/Magnetic instruments	UKK-6132	Network analyzer	Agilent	8712C	Frequency range : 300kHz ~ 1.3GHz, Synthesized signal source of 1Hz resolution , Output range : 0 ~ 16dBm(<1000MHz)· 0 ~ 13dBm(>1000MHz)	250,000	C		1 month	B2
Circuit element/Magnetic instruments	UKK-1041	Milliohm Meter	ADEX/AILE	AX-124N	5 range (20m Ω ~ 200 Ω), Min. resolution : 10 $\mu\Omega$, Max.measuring range : 199.9 Ω , Measuring signal : 1kHz, Measuring format : 4 terminal, Double integral A/D conversion format, Digital comparator and BCD Parallel out	30,000	A	Brand new probe	1 month	B2
Circuit element/Magnetic instruments	UKK-1038	Milliohm Meter	ADEX/AILE	AX-124N	5 range (20m Ω ~ 200 Ω), Min. resolution : 10 $\mu\Omega$, Max.measuring range : 199.9 Ω , Measuring signal : 1kHz, Measuring format : 4 terminal, Double integral A/D conversion format, Digital comparator and BCD Parallel out	30,000	A	Brand new probe	1 month	B2
Circuit element/Magnetic instruments	UKK-6134	Sitemaster	ANRITSU	S251C	2ch, Handy SWR/Return loss analyzer, Frequency range : 625 ~ 2500MHz, Frequency resolution *Some stains on the screen , some dcratch on the body. Requiring batteries replace	180,000	A+B	OPT: Test port extension cable,N(m)Open/short), N(m)load hard case	7 days	B2
Circuit element/Magnetic instruments	4TG-5364	Coupler	Nalda	4030C	0.25 ~ 0.5GHz, Type SMA	10,000	N		7 days	B2
Circuit element/Magnetic instruments	UKK-6472	Insulation Resistance Meter	YOKOKAWA M&I	2406-35	Range : 250V/500M Ω , 500V/1000M Ω , 1000V/2000M Ω , AC Voltage measuring range : 0 ~ 600V, By battery, Size : Approx.120 (W) \times 110 (H) \times 60 (D) mm, Weight : Approx. 500g	10,000	A+B		None	B2
Circuit element/Magnetic instruments	UKK-6508	Standard Resister	YOKOGAWA	2792-02	Nominal Value : 0.01 Ω , Accuracy : $\pm 0.01\%$, Testing accuracy : $\pm 0.005\%$, 4 terminals	30,000	N		7 days	B2
Circuit element/Magnetic instruments	UKK-1711	Insulation Resistance Meter	KIKUSUI	TOS7200	Insulation Resistance Tester (Desk type), Test voltage : :25· 50· 100· 125· 250· 500· 1000V(1V Resolution), Measuring range : :250· 500· 1000· 1250· 2500· 5000· 5000 M Ω , Test time : 0.5s· 999s or OFF、 I/F : RS-232C,SIGNAL I/O. Remote control terminal, Power : AC100V,240V (No battery)	40,000	C		1 month	B2
Circuit element/Magnetic instruments	TO32-5610	High insulation tester	Toa DKK	SM-8207	0.5M Ω ~ 2 X 10 (6th power) , 10 ~ 1000VDC(5range) Display : Analog, Alarm device	50,000	C		1 month	B1

Category	Product CD	Product name	Mnufacture	Model	Specification	Selling price (Net JPY)	Accessory (*1)	Option	Warranty period(*2)	Rank code(*3)
Circuit element/Magnetic instruments	TOK-2746	C hi-tester	HIOKI	3504	Measuring items : C, D (t a n δ) , Measuring range : 0.9400pF ~ 20.0000mF, Measuring frequency : 120Hz, 1KHz, Measuring voltage : 500mV ~ 1Vrms、 Size/Weight : 260W×100H×220D mm/3.8kg, Required test fixture separately.	80,000	B		1 month	B1
Circuit element/Magnetic instruments	UKK-5332	Gauss Meter	HIOKI	3470-02	3 axes measurement, Measuring range : 2.000μT ~ 2.000mT, 10Hz ~ 400kHz, Rating magnetic flux : 2mT, I / F : USB1.1	180,000	A+B	3471,3472,9759,USB cable, Extension cable, Soft case	1 month	B1
Environmental instruments	TR2880	Digital multi-thermometer		756321	DCV range (200mV ~ 200V), Resistance measuring range : 2W· 4W(200Ω ~ 20MΩ), Measuring thermocouple(TC), Measuring resistance temperature detector (RTD)	72,000	A+B	IC Memory card 128K bite	7 days	R2
Environmental instruments	TO32-5987	Charge amplifier	B&K	2635	1ch, Acceleration : 0.1 ~ 1000mV/ms-2, Input charge : Max. 50000 pC, Frequency : 0.2 Hz ~ 100 kHz, Output : Max. 8V (8mA) peak	30,000	A+B		7 days	B2
Environmental instruments	TOK-2710	Vibration Meter	IMV	VM3004SI	1ch, Vibration pickup VP3004, Displacement : 10,100,1000μmp-p3 range : Speed 1,10,100mm/s(3range), Acceleration : 1,10,100m/s· (3range), Frequency : 10 ~ 1000Hz, (SI display), With OUTPUT AC/DC/TUNE	80,000	A+B		1 month	B1
Environmental instruments	TOK-2712	Vibration Meter	IMV	VM3004SI	1ch, Vibration pickup VP3004, Displacement : 10,100,1000μmp-p3 range : Speed 1,10,100mm/s(3range), Acceleration : 1,10,100m/s· (3range), Frequency : 10 ~ 1000Hz, (SI display), With OUTPUT AC/DC/TUNE	80,000	A+B		1 month	B1
Environmental instruments	TOK-2713	Vibration Meter	IMV	VM3004SI	1ch, Vibration pickup VP3004, Displacement : 10,100,1000μmp-p3 range : Speed 1,10,100mm/s(3range), Acceleration : 1,10,100m/s· (3range), Frequency : 10 ~ 1000Hz, (SI display), With OUTPUT AC/DC/TUNE	80,000	A+B		1 month	B1
Environmental instruments	TOK-1759	Handy thermograph	NEC-Sanei	TH6200H	Non-cooling system, Measuring thermo range : -20 ~ 250°C, Viewing angle : 20°(H)×15(V), Thermo display : 4 points (Movable 3 points out of 4.) I/F U S B · Video signal, Difference of detection : Min. 0.1°C, Wavelength : 7.5 ~ 14μm · 2.5 Liquid crystal	260,000	A+B	with case	7 days	B2
Environmental instruments	UKK-0370	Luminance colorimeter	KONICA MINOLTA	CL-100	Light receiving elements :Silicon photocell (3), Standard color : 1 color, Measuring range : 5.1 ~ 32,700lx(at measuring A luminous source) 、 Display : 3 digits 3 kinds LCD	50,000	A , No Manual	Light receiving cap, Turn adapter, Food cover, Connection code Case	7 days	B2
Environmental instruments	UKK-0591	Balance Scale	Sartorius	LA120S	Weighing capacity : 120g, Resolution : 0.1mg, Allowable error : 0.1mg	100,000	A	AC Adapter	7 days	B2
Environmental instruments	TOK-1839	Charge amplifier	DUTRON	DAQP-CHARGE-A	For DEWE series , Input range : 0 , 2 0 , 4 0 , 6 0 d B , 0 . 1 , 1 , 1 0 , 1 0 0 , 1 0 0 0 m V / P C , Accuracy : 1 % F S , Frequency range : 0 . 1 H z ~ 5 0 K H z · Output : + 5 V · Sensor terminal : B N C	12,000	B		7 days	B2
Environmental instruments	TOK-1840	Charge amplifier	DUTRON	DAQP-CHARGE-A	For DEWE series , Input range : 0 , 2 0 , 4 0 , 6 0 d B , 0 . 1 , 1 , 1 0 , 1 0 0 , 1 0 0 0 m V / P C , Accuracy : 1 % F S , Frequency range : 0 . 1 H z ~ 5 0 K H z · Output : + 5 V · Sensor terminal : B N C	12,000	B		7 days	B2
Environmental instruments	TM416	Optical Tester	TOPCON	SC-777	Aperture 82mm, F=2.5, Spectral element : Diffraction grating, Light receiving element : Line CCD, Measuring angle : :0.1/0.2/1/2°(conversion system), Measuring range : 350mm ~ ∞, Measuring wavelength, : 380 ~ 780nm, Interface : USB	400,000	A+B	Carrying case	7 days	R2
Environmental instruments	UKK-3735	Handy thermograph	Fluke	TI 10	Measuring thermo range : -20 ~ 250°C, Accuracy : ±2°C2%, Focal length : 15cm(thermal image) , 46cm(Visible image) , Thermo resolution (NETD) ≤ 0.13 °C at 30 °C Frame rate : :9Hz, Focus : Manual, Measuring wavelength : 7.5μm ~ 14μm	160,000	A+B	Soft case×1, Hard case ×1, USB cable×1, Memory card reader×1	1 month	B1

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Environmental instruments	TK33-0055	Balance Scale	Metler	PR803	Weighing capacity : 8 1 0 g , Reading limits : 1 m g , Built in calibration weight, Automatical calibration, Number calculator, Weight totaling, Statistics, Compounding function, O.P. Case	80,000	A+B		7 days	B2
Environmental instruments	UKK-6284	Pick-up	RION	PV-44A	Piezoelectric system, Frequency range : 1Hz ~ 10000Hz, Charge sensitivity : 7.65pC/(m/s^2), Outer size (mm) : 16(H)×20.5(Hex), Mass(g) : 29, Usable temperature range : -50°C ~ +260°C	20,000	A+B		7 days	B2
Environmental instruments	TOK-1946	Noise-vibration analyzer	RION	SV76	Measuring range : 0 ~ 130dB, Frequency range : 1 ~ 12500Hz, Dynamic characteristic FAST/SLOW/VL, Sampling cycle : Measurable at 0.1second unit, Level recording by max. 10minutes	140,000	A+B		7 days	B2
Environmental instruments	UKK-6549	Noise Meter Unit	RION	UN-14	Frequency range : 1Hz ~ 80kHz, Level range : 30 ~ 128dB(A)*when using UC-59, NH-17, Power supply : DC9 ~ 15V <AC adapter : NC-97(less than 10 devices), NC-99(less than 16 devices)> Built-in filter : 20Hz high pass filter, 20kHz low pass filter	80,000	B		7 days	B2
Environmental instruments	TOK-2500	Vibration Unit	RION	UV-05A	1ch, Measuring range : 0.01 ~ 1000G, Frequency range : 0.5Hz ~ 30kHz, Input : Max. 10E5pC/	20,000	B		7 days	B2
Environmental instruments	TOK-2501	Vibration Unit	RION	UV-05A	1ch, Measuring range : 0.01 ~ 1000G, Frequency range : 0.5Hz ~ 30kHz, Input : Max. 10E5pC/	20,000	B		7 days	B2
Environmental instruments	UKK-4210	Charge amplifier	RION	UV06A	2 c h , Measuring range : 0 . 0 0 1 ~ 1 0 0 0 G , Frequency range : 0 . 5 ~ 3 0 k H z (A c c) , Input electric charge : Max. 1 0 0 , 0 0 0 P C , AC output , Connectable Max. 12 device (2 4 c h) , Unable to mesure G , required battery unit (B P 0 7)	20,000	B		1 month	B1
Environmental instruments	UKK-4211	Charge amplifier	RION	UV06A	2 c h , Measuring range : 0 . 0 0 1 ~ 1 0 0 0 G , Frequency range : 0 . 5 ~ 3 0 k H z (A c c) , Input electric charge : Max. 1 0 0 , 0 0 0 P C , AC output , Connectable Max. 12 device (2 4 c h) , Unable to mesure G , required battery unit (B P 0 7)	20,000	B		1 month	B1
Environmental instruments	TOK-2508	Display Unit	RION	UV-12A	For UV05/UV05A/UN04, Display : Five digit, Equipped GP-IB/RS-232C interface, Connectable upto 10ch by each units successively	20,000	B		7 days	B2
Environmental instruments	TOK-2509	Display Unit	RION	UV-12A	For UV05/UV05A/UN04, Display : Five digit, Equipped GP-IB/RS-232C interface, Connectable upto 10ch by each units successively	20,000	B		7 days	B2
Environmental instruments	TOK-2179	Vibration Meter	RION	VM82	Acceleration level : 0.002 ~ 20G (1Hz ~ 5kHz), Speed : 0.1 ~ 1000mm/s, Displacement level : 0.001 ~ 100mm, AC/DC Output., Memory : 1000, Power : AA x 4	90,000	A+B		1 month	B1
Environmental instruments	TOK-2183	Vibration Meter	RION	VM82	Acceleration level : 0.002 ~ 20G (1Hz ~ 5kHz), Speed : 0.1 ~ 1000mm/s, Displacement level : 0.001 ~ 100mm, AC/DC Output., Memory : 1000, Power : AA x 4	90,000	A+B		1 month	B1
Environmental instruments	TOK-2182	Vibration Meter	RION	VM82	Acceleration level : 0.002 ~ 20G (1Hz ~ 5kHz), Speed : 0.1 ~ 1000mm/s, Displacement level : 0.001 ~ 100mm, AC/DC Output., Memory : 1000, Power : AA x 4	90,000	A+B		1 month	B1
Environmental instruments	TOK-2181	Vibration Meter	RION	VM82	Acceleration level : 0.002 ~ 20G (1Hz ~ 5kHz), Speed : 0.1 ~ 1000mm/s, Displacement level : 0.001 ~ 100mm, AC/DC Output., Memory : 1000, Power : AA x 4	90,000	A+B		1 month	B1
Environmental instruments	TOK-2178	Vibration Meter	RION	VM82	Acceleration level : 0.002 ~ 20G (1Hz ~ 5kHz), Speed : 0.1 ~ 1000mm/s, Displacement level : 0.001 ~ 100mm, AC/DC Output., Memory : 1000, Power : AA x 4	90,000	A+B		1 month	B1
Environmental instruments	UKK-6051	LF Lever meter	RION	XN-1J	Measuring level : 80 ~ 160dB, Measuring frequency range : 0.2 ~ 10Hz/0.2 ~ 100Hz/0.2 ~ 630Hz by L.P.F., Level range : 10dB, 3 steps; 80 ~ 140/90 ~ 150/100 ~ 160dB Frequency characteristic : Flat, Strain dynamic characteristic : Fast, Measuring time : 10seconds, 1.5-10	250,000	A+B	BNC pin code, strap	7 days	B2

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Environmental instruments	UKK-5851	Digital Vibration meter	ツトスチム	W0051	3 axis piezo resistor : 333mV/G, ±0.5Gfull, Frequency range : DC ~ 200Hz, Accuracy : ±1%(Straight), Sampling frequency : 409.6Hz / ch, Input channel : 4ch(Acceleration 3ch, External 1ch)	250,000	A+B	W0051*6pcs, W0052*1pc	None	B3
Environmental instruments	TR2882	Digital multi-thermometer	YOKOGAWA	756321	DCV Range (200mV ~ 200V), Measuring range : 2W・ 4W(200Ω ~ 20MΩ), Measuring : thermo-couple(TC), resistance temperature detector (RTD)	72,000	A+B	IC memory card 128Kbite	7 days	R2
Environmental instruments	TR2884	Digital multi-thermometer	YOKOGAWA	756321	DCV Range (200mV ~ 200V), Measuring range : 2W・ 4W(200Ω ~ 20MΩ), Measuring : thermo-couple(TC), resistance temperature detector (RTD)	72,000	A+B	IC memory card 128Kbite	7 days	R2
Environmental instruments	UKK-6457	Dijgital Pressure Gauge	YOKOGAWA	MT210F(767337)	Measuring range (Absolute pressure) : 0 ~ 130kPa Measuring fluid : Gas, Liquid (Non inflammable, Non explosive, Non Non poisonous, Non corrosion) Measuring fluid temperature : 5 ~ 50°C, Measuring mode : Normal, Medium, High	180,000	A+B	OPT:-U1,-C1,-P1,-M/DA,Accessory:Power cable connector,Terminal	7 days	B2
Environmental instruments	UKK-6455	Dijgital Pressure Gauge	YOKOGAWA	MT220(767307)	Measuring range (Absolute pressure) : 0 ~ 130kPa Measuring fluid : Gas, Liquid (Non inflammable, Non explosive, Non Non poisonous, Non corrosion) Measuring fluid temperature : 5 ~ 50°C	180,000	A+B	OPT:-U1,-C1,-P1,-M/DA,Accessory:Power cable connector,Terminal	7 days	B2
Environmental instruments	UKK-6532	Flow Meter (Liquid)	ONOSOKU	FM-1500	For Detector FP/FZ series I/F:RS232C	200,000	A+B	OPT:FZ-0300	7 days	B2
Environmental instruments	UKK-3061	Rotation Meter	ONOSOKU	HT-6100	Cycle operation system, Display : five digit, 120 ~ 20000r/min, r/min・ r/s・ m/min・ ms・ COUNT, Holding peak function	20,000	A+B	Output lead*、AC adapter	7 days	B2
Environmental instruments	THC-376	Acceleration Pickup	ONOSOKU	NP-3412	Structure : Share type, Frequency range : 0.8Hz ~ 16kHz, Accuracy : 1.0mV/(m/s), Using acceleration : Max. 2200m/s ² , Size : 10 (Hex)×12.5 (H) mm Mass : Approx 5.5g	20,000	A+B		7 days	B3
Environmental instruments	THC-375	Acceleration Pickup	ONOSOKU	NP-3412	Structure : Share type, Frequency range : 0.3Hz ~ 20kHz, Sensitivity : 1.0mV/(m/s), Using acceleration : Max. 4900m/s ² , Size : 8.4 (W)×11.4 (D)×3.6(H) mm Mass : Approx 0.5g	20,000	A+B		7 days	B3
Environmental instruments	TOK-0577	Multi-point wind meter	Japan Kanomax	1550	S Y S T E M 6 2 4 2 Control unit of wind speed t h e r m o m e t e r , Max. 6 4 c h , R S 2 3 2 C , Printer output, Module input : Max.16, Required wind speed module 1 5 0 1 / 1 5 0 4 (4 c h / d e v i c e) , Required wind speed/thermo module (2 c h / d e v i c e)	26,000	A+B		7 days	B3
Recording equipments	UKK-3914	Handy oscillographic recorder	Graphtek	WR3320A-4DH	Recording frequency range : ±40mm/4ch, Heat writing : Black, DC servo system, Measuring range : (AH3302A-DH); 0.5 1 2 2.5 5 10 50 100 250mV/cm	600,000	A	plug-in unitAH3302A×4,	1 month	B1
Recording equipments	TOK-2476	Data Recorder	SONY Manufacturing	PC204AX	4ch, DAT tape, Frequency characteristic : DC ~ 20kHz (at double speed 4ch) , S/N : 78dB, Input : ±0.5/1/2/5/10/20Vp-p, Output : ±1 ~ 5Vp-p, Power : AC100V ~ 240V/DC12 ~ 28V	30,000	A+B		7 days	B2
Recording equipments	THC-415	Data Recorder	SONY Manufacturing	SIR1000	AIT Digital tape recorder, 16ch, Frequency characteristic : DC ~ 20kHz (Normal speed) , Input : ±0.5 ~ 20Vp, Output : ±1 ~ 5Vp, Recording time : Max. 32 hours(1/16 speed, DC ~ 1.25kHz)	80,000	A+B		7 days	B2
Recording equipments	UKK-4258	Recorder	CHINO	KR2161MNOA	Full multi input : 6ch(1s), DC : ±13.8mV ~ ±50V, Thermo-couple(B,R,S,K,E,J,T,N,PtRh40-PtRh20,NiMo-Ni,WRe5-WRe26,W-WRe26,CR-AuFe,PlatinIII,U,L), Resistance temperature detector (RTD) : (Pt100,JPt100,Pt50,Pt-Co), Measuring cycle (100ms : Approx. 100ms/all, 1s	130,000	A+B	CD soft,cable×3	1 month	B1
Recording equipments	TOK-1847	Data Rogger	DUTRON	DEWE2010	Multi meadia data rogger. Standard channel : 16ch, Input : Voltage, distortion, charge, TC, RTD, FV, Counter, GPS etc	100,000	A	DAQP-CHARGE-A×6,DAQP-V×7	7 days	B2
Recording equipments	UKK-4980	Digital multi-thermometer	YOKOGAWA	756321	Display : 6.5 digit, Thermo-couple(TC) : 12 kinds, Resistance temperature detector(RTD) : 4 kinds, Thermo measuring accuracy : 0.006%(TC), DCV measuring accuracy(RTD) : 0.0045%(2000mV range), Resistance measuring accuracy : 0.006%(2000Ω range), Sampling	50,000	A+B	remote connector	1 month	B2

Category	Product CD	Product name	Mnufacture	Model	Specification	Selling price (Net JPY)	Accessory (*1)	Option	Warranty period(*2)	Rank code(*3)
Recording equipments	UKK-6052	Hibrid Recorder	YOKOGAWA	DR130	Input : DCV, TC, RTD, High resolution RTD, Effective record range : 150mm	150,000	A+B	CD-ROM, No printing ribbon	7 days	B2
Recording equipments	TOK-2548	Hibrid Recorder	YOKOGAWA	DR232	DR230 exption type, Channel : 300ch required Sub unit DS600/Input module DU/ Communication module DT300	80,000	A+B	Only main baody	1 month	B1
Recording equipments	TK35-0034	Data Recorder	YOKOGAWA	MV106	Mobile coder, 6ch, Input : TC, RTD, 5.5TFTcolor LCD, Op.-1-1-1M(FDD, standard soft) /M1 (Operation function)	100,000	C	-1-1-1M	1 month	B1
Recording equipments	TR2887	Compact recorder	KYOWA	EDS400A	Channel : 4, Measuring object : Strain guage(4 guage method)/Strain guage method converter,, Voltage	107,000	A+B	Strain input cable(U-49)、 Voltage input cable(U-50)、 DC power supply cable(P-57)	7 days	R2
Recording equipments	UKK-6048	Memory Recorder / Analyzer	KYOWA	EDX-3000A-H	Storage : HDD100GB, Input channel : Max. 64, Digital input : 32bit, Audio channel : 1CH, with Mouse, Keyboard.	500,000	A+B	Op:CDV-40B-Fx8,EMON-30A,U-15x64 U-40x8 RCU-42A	1 month	B2
Recording equipments	TOK-1704	Thermic adapter	EZAKI	2302A	Equipment to write time series data recorded on smart media by the thermic (CSV File format). With a media reader for USB.	12,000	A+B		None	B3
Recording equipments	UKK-2405	Thermic adapter	EZAKI	2302A	Equipment to write time series data recorded on smart media by the thermic (CSV File format). With a media reader for USB.	12,000	A+B		None	B3
Recording equipments	TOK-1707	Recorder	HIOKI	8715	Power recorder, Analog * 4 ch, Measuring range : 100/200/400V system, DC 100V, 10mA ? 2000A (by clamp), Frequency characteristic : DC?50kHz (± 3dB) , Sample :400KS/ s , Memory : 64Kword, Measuing function : Extraordinary wave(Instant sin wave), Power fluctuation/	60,000	A+B		7 days	B2
Recording equipments	TR2574	Data Rogger	HIOKI	3635-04	Data mini (Voltage rogger), DC voltage ±500.0mV Input rogger, Measuring range : -500.0 ~ 500.0mV, Memory capacity : 16,000 data (Approx. 667days by 60minutes interval), Recording interval : 2seconds ~ 60minutes, Size/mass : Approx 57(W)x74(H)x20(D)mm/Approx	7,000	A+B		7 days	R2
Recording equipments	TR2573	Data Rogger	HIOKI	3635-04	Data mini (Voltage rogger), DC voltage ±500.0mV Input rogger, Measuring range : -500.0 ~ 500.0mV, Memory capacity : 16,000 data (Approx. 667days by 60minutes interval), Recording interval : 2seconds ~ 60minutes, Size/mass : Approx 57(W)x74(H)x20(D)mm/Approx	7,000	A+B		7 days	R2
Recording equipments	TR2572	Data Rogger	HIOKI	3635-04	Data mini (Voltage rogger), DC voltage ±500.0mV Input rogger, Measuring range : -500.0 ~ 500.0mV, Memory capacity : 16,000 data (Approx. 667days by 60minutes interval), Recording interval : 2seconds ~ 60minutes, Size/mass : Approx 57(W)x74(H)x20(D)mm/Approx	7,000	A+B		7 days	R2
Recording equipments	UKK-6533	Memory Recorder	HIOKI	8861-50	Analog 16ch+Logic 16ch, Measuring range : 5mV ~ 20V/div(12 range) PC card (TYPEII) Slot x 2, 10.4 type TFT color LCD GP-IB USB2.0 LAN monitor output	700,000	A+B	OPT:8956x8,L9198x16,	7 days	B2
Recording equipments	UKK-6244	Pulse rogger	HIOKI	LR5061	Measuring items : Pulse signal 1ch (Display : Max. 9999 count), Measuring range : Non-voltage contact signal /Voltage/[Hi]: +2V? +45V [Lo]: 0V ? +0.5V Memory capacity : Instant recording : 60,000 data	10,000	A+B		7 days	B2
Recording equipments	UKK-6243	Pulse rogger	HIOKI	LR5061	Measuring items : Pulse signal 1ch (Display : Max. 9999 count), Measuring range : Non-voltage contact signal /Voltage/[Hi]: +2V? +45V [Lo]: 0V ? +0.5V Memory capacity : Instant recording : 60,000 data	10,000	A+B		7 days	B2
Recording equipments	UKK-6535	Wireless logging station	HIOKI	LR8410	Controllable models : LR8510,LR8511 Contollable device numbers : 7 devises (Max.105ch) Communication method : Bluetooth2.1+EDR(main-unit) External memory : SD memory, USB memory I/F : LAN, USB2.0 Power supply : DC10 ~ 28V AC adapter (AC100 ~ 240V 71008)	120,000	A+B	OPT:SD card ,USB cable,CD-ROM,C1007(case)	7 days	B2
Recording equipments	UKK-6536	Wireless logging station	HIOKI	LR8410	Contollable models : LR8510,LR8511 Contollable device numbers : 7 devises (Max.105ch) Communication method : Bluetooth2.1+EDR(main-unit) External memory : SD memory, USB memory I/F : LAN, USB2.0 Power supply : DC10 ~ 28V AC adapter (AC100 ~ 240V 71008)	120,000	A+B	OPT:SD card ,USB cable,CD-ROM,C1007(case)	7 days	B2

Category	Product CD	Product name	Mnufacture	Model	Specification	Selling price (Net JPY)	Accessory (*1)	Option	Warranty period(*2)	Rank code(*3)
Recording equipments	UKS-0081	Voltage/Tep unit	HIOKI	LR8510	Input ch. : 15ch, Measuring subject : Voltage/Thermo-couple Voltage range : 10mV ~ 100V, 1-5V Thermo-couple : K,J,E,T,N,R,S,B,W Input terminal : M3 screw Commucation method : Bluetooth2.1+EDR(The main part is not included in the price. LP8410 unit)	40,000	A+B	Unopened	None	B3
Optical instruments	UKK-5414	Optical multimeter/power tester	Agilent	8153A	Equipped 2 slot for plug-in module, Required plug-in module additionally	180,000	C	81533B	1 month	B2
Optical instruments	UKK-5421	Optical multimeter/power tester	Agilent	8153A	Equipped 2 slot for plug-in module, Required plug-in module additionally	180,000	C	81536B	1 month	B2
Optical instruments	TO32-5420	Wide band light	Agilent	83437A	006 : 1650nmEELED	300,000	C		7 days	B2
Optical instruments	TO32-5419	Wide band light	Agilent	83437A	006 : 1650nmEELED	300,000	C	Op . 006	7 days	B2
Optical instruments	TO32-4589	Opto/electric plug in module	Agilent	86101A	For 8 6 1 0 0 A, Opto input : 3 G H z , Wavelength : 7 5 0 ~ 8 6 0 n m , MM fiber, S C connector, electric input : 1 2 . 4 / 2 0 G H z , 5 0 Ω , 3 . 5 m m connector	300,000	N		1 month	B1
Optical instruments	UKK-5868	Precision wave analyzer	Agilent	86108A	Plug-in module for 86100C Measuring band :>33GHz(2 input channel) Clock recovery range (rate) : 50Mb/s ~ 13.5Gb/s	1,800,000	A	CD-ROM	1 month	B2
Optical instruments	UKK-5839	Opto/electric plug in module	Agilent	86116C-040	Module for 86100C main frame Opto input : 9/125μm, Wavelength range : 1480 ~ 1620nm, Opto column range : 65/45/40GHz & 39.81/43.02Gb/s standard receiver, Electric input : 1.85mm(プラグ), Electric band range : 80/55/30GHz	1,800,000	A+B	CD-ROM	1 month	B2
Optical instruments	TK29-1201	Optical component analyzer	Agilent	8702B	Frequency range : 300kHz ~ 3GHz, 3MHz ~ 6GHz,Zin=50Ω	500,000	C	S-PARA(85047A) TK29-1202	7 days	B2
Optical instruments	4TG-6588	Optical Loss tester	Agilent	E5574A	Measuring insert loss/gain & divergence ratio : 1.55μm±20nm, Resolution : 0.0001dB, Measuring polarization-dependent loss/gain ratio : 1.55μm±20nm, Resolution : 0.0001dB, Measuring absolute power : 0.9 ~ 1.7μm, +3 ~ -80dBm, Measuring return loss : Max 55dB -81	400,000	C	81521B standard optical head	7 days	B2
Optical instruments	TK24-0418	Light Polarized Wave Scrambler	ADVANTES T	Q8163	Wavelength range : 1.29 ~ 1.58μm, Polarized wave variable speed : 500 Poincare sphere/s , Input/Output connector : FC-SPC, External control : GP-IB	100,000	C		7 days	B2
Optical instruments	UKK-0628	Opto Multimeter	ADVANTES T	TQ8215	DCV (20μV ~ 200V) /DCI (200mA) /Resistance (200Ω ~ 2MΩ) /Temperature TC (T · J · E · K · S · R · B)	20,000	C	TQ82010	1 month	B1
Optical instruments	UKK-0623	Opto Multimeter	ADVANTES T	TQ8215	DCV (20μV ~ 200V) /DCI (200mA) /Resistance (200Ω ~ 2MΩ) /Temperature TC (T · J · E · K · S · R · B)	60,000	N	TQ82010,Q82014A	1 month	B1
Optical instruments	UKK-5416	Regulating Light	ANRITSU	MG9001A	0 ~ 6dB, 270/1k/2kHz	80,000	C	MG0937C	7 days	B2
Optical instruments	TO32-6045	Optical Loss tester	ANRITSU	MS9020D	Main part of tester (handy type), Required additionally LED lighting unit & optical power meter/sensor unit. LED light source (MS0909A) : 1.31±0.02μm/1.55±0.02μm, Optical power meter (MA9723A) : 0.75 ~ 1.8μm / -60 ~ +3dBm (at 1.3μm)	70,000	C		7 days	B2
Optical instruments	TK37-0027	Optical fiber tester(OTDR)	ANRITSU	MW9070B	Optical unit (MW0972B) : Wavelength 1310±30/1550±30 nm, Measured fiber 10/125μm Single mode fiber, Op. 01 (Built-in 3.5 inch FDD) , Op.05 (visible LD lighting) : Center wavelength 635±10nm, Optical output -3.0±1.5dBm, Output fiber 10/125μm SM fiber	300,000	A	Op . 01,05	7 days	B2
Optical instruments	TO32-5830	Opto Powermeter	Tektronix	TFC200	0.75 ~ 1.7μm,-70 ~ +10dBm	60,000	A		7 days	B2
Optical instruments	UKK-6551	Stabilized light	YOKOGAWA M&I	AQ4280A	Light emitting element : LD Adaptable optical fiber : SM Cetnral wavelength : 1310/1550nm Light output level : -5dBm Light connector : Universal adapter (FC/PC,SC/PC,ST/PC) Power Supply : AA batteries.	70,000	A+B	OPT:carrying case,poche,connector adapter(SC/PC,ST/PC,FC/PC)	7 days	B2

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Optical instruments	TO32-6055	Regulating Light	YOKOGAWA	AQ-1338	1.3±0.02μm, SM,LD light source, Output : CW -2dBm or more, CW(MOD) - 12dBm or more, Stability : 1dB or less, External modulation function (MOD) : 1 ~ 1000MHz FC type	60,000	C		7 days	B2
Optical instruments	TK27-0242	Opto Multimeter/powermeter	YOKOGAWA	AQ2140+UNIT	0.4 ~ 1.87μm, Measuring range : -93 ~ +27dBm(by sensor), dBm/W/dB(Switchable)	170,000	C	Op . AQ4218/AQ2730/AQ2743	7 days	B2
Optical instruments	UKK-0037	Opto Multimeter/powermeter	YOKOGAWA	AQ2150A	AQ4250 : LED Unit, Wavelength : 850±30nm(center). AQ2756 : Wave range : 400 ~ 1100nm, Wavelength standard : 850nm	60,000	A+B	AQ4250,AQ2756	7 days	B2
Optical instruments	UKK-1135	Opto Multimeter/powermeter	YOKOGAWA	AQ2150A	AQ2150A : Light multimeter (handy type), Unit display : Absolute value(dBm,mW,μW,nW,pW) Relative value(dB)	30,000	A+B	Case AC adapter	7 days	B2
Optical instruments	TK33-0126	Photo sensor/Optical	YOKOGAWA	AQ2752	For AQ2150 Wavelength : 0.75 ~ 1.7μm, Standard wavelength : 1310nm	15,000	N		7 days	B2
Optical instruments	TK33-0128	LD Lighting unit	YOKOGAWA	AQ4252A	For AQ2150/2150A. Application optical fiber, SM optical fiber, Center wavelength : 635±10nm, Optical output level : - 3dBm±1.5dBm, Connector shape : SC·FC connector	15,000	N	Op . 063	7 days	B2
Optical instruments	TK33-0127	LD Lighting unit	YOKOGAWA	AQ4252A	For AQ2150/2150A. Application optical fiber, SM optical fiber, Center wavelength : 635±10nm, Optical output level : - 3dBm±1.5dBm, Connector : SC·FC type	15,000	N	Op . 063	7 days	B2
Optical instruments	TO32-6040	Lazer Light	YOKOGAWA	AQ4302	Wavelength : 632.8nm, Output : -8dBm or more (GI 50/125mmφ 2 m) , Connector : FC type, Size/weight : Approx.212W×88H×250Dmm/Approx 3.5kg	60,000	C		7 days	B2
Optical instruments	TK33-0085	Optical fiber tester(OTDR)	YOKOGAWA	AQ7250	Single mode fiber unit for AQ7250. Display : 7.2inch colour LCD, 3.5"FDD, 1.31/1.55±0.025μm, SM fiber, Distance range : 2km ~ 240km, Pulse width : 10ns ~ 20μs, Dynamic range : 45/43dB, AQ9441(F C) connector	300,000	A+B	AQ7254B	7 days	B2
Optical instruments	TM393	Optical fiber tester(OTDR)	YOKOGAWA	AQ7250+AQ7254B	Single mode fiber unit for AQ7250. Display : 7.2inch color LCD, 3.5"FDD, 1.31/1.55±0.025μm, SM fiber, Distance range : 2km ~ 240km, Pulse width : 10ns ~ 20μs, Dynamic range : 41.5/39.5dB	300,000	C		7 days	R2
Optical instruments	TO32-6051	Regulating Light	KYOCERA	ASE002-10	ASE lightung, Wavelength : 1530 ~ 1610nm, Pk : -4.8dBm/1560nm	60,000	C		7 days	B2
Optical instruments	TO32-6050	Regulating Light	KYOCERA	ASE002-10	ASE lightung, Wavelength : 1530 ~ 1610nm, Pk : -5.2dBm/1560nm	60,000	B		7 days	B2
F-T instruments	UKK-3426	Modulation domain analyzer	Agilent	53310A	10digit, 200MHz(2.5GHz), Single shot frequency resolution, Time interval resolution : 200ps/1ps, Option 031 : High resolution 2.5GHz Input/digital RF Communication analysis	50,000	C	Option:031	1 month	B1
F-T instruments	THC-410	Timeinterval analyzer	Agilent	5372A	Display : 10 digit, 100 MHz - 2 GHz	120,000	C		7 days	B2
F-T instruments	UKK-1163	Frequency Counter	ADVANTES	R5362B	9 digit, 60 ~ 3,000MHz, Aging rate : 5×10-8/day, Measuring function : Cycle, Positive pulse width, Addition Input terminal : N type/high range, BNC type/low range	70,000	C	GP-IB	1 month	B2
F-T instruments	UKK-0535	Microwave counter	ADVANTES	R5372	12 digit Frequency range : 10MHz ~ 18GHz (N type/550MHz ~ 18GHz, BNC type/10MHz ~ 550MHz)	80,000	C		1 month	B2
F-T instruments	UKK-0533	Microwave counter	ADVANTES	R5372	12 digit Frequency range : 10MHz ~ 18GHz (N type/550MHz ~ 18GHz, BNC type/10MHz ~ 550MHz)	80,000	C		1 month	B2
F-T instruments	UKK-3004	Frequency Counter	ANRITSU	MF1602A	Display : 10 digit, Frequency range : 0.1mHz ~ 1GHz, Measuring function : Frequency, Cycle, Pulse width, Addition, op.01,06 Battery : No warranty	60,000	B	Power cable, soft case, MZ5004A(Battery pack/charger)	1 month	B2
F-T instruments	UKK-0999	Frequency Counter	ANRITSU	MF1603A	Display : 10 digit, Frequency range : 0.1mH ~ 3GHz, Aging rate : 2×10th power-8/day, Measuring function : Frequency/Cycle/Pulse width/Addition/Operation/Masking function	80,000	C		1 month	B1

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F-T instruments	UKK-3594	Universal Counter	IWATSU	SC-7205	Display : 8 digit 2ch, Frequency range : 1mHz ~ 230MHz, Measuring cycle : 5ns ~ 1.000S, Aging rate : ±1ppm/year	34,000	C		1 month	B1
Test elements/su pport tool	UKK-4946	Fixed attenuator	Aeroflex Weinschel	48-30-34	Attenuation : 30dB, Frequency range : DC ~ 18GHz, Power allowance : 100W	30,000	N		7 days	B2
Test elements/su pport tool	UKK-4947	Fixed attenuator	Aeroflex Weinschel	48-30-34	Attenuation : 30dB, Frequency range : DC ~ 18GHz, Power allowance : 100W	30,000	N		7 days	B2
Test elements/su pport tool	UKK-4945	Fixed attenuator	Aeroflex Weinschel	48-30-34	Attenuation : 30dB, Frequency range : DC ~ 18GHz, Power allowance : 100W	30,000	N		7 days	B2
Test elements/su pport tool	UKK-0056	Divider	ARRA	0200-2	10 ~ 500MHz, 20W, SMA type	5,000	N		None	B3
Test elements/su pport tool	UKK-6043	Programable attenuator	MillimeterWaveProducts	511V	Frequency range : 50 ~ 75GHz, Attenuation : 0 ~ 60dB(0.1dB step), 0 ~ 20dB(0.05dB step), Waveguide : WR15 I/F:GPIB, Power : Max.0.3W, Power supply : DC+12V	100,000	B	English manual	7 days	B2
Test elements/su pport tool	UKK-3074	Dynamic Strain Unit	NEC Avio	4126	Unit for 6G series, AC 1 ch, Covering range : 6 0Ω ~ 1 k Ω, Frequency output : D C ~ 1 0 k H z , Output : ± 2 V , ± 3 0 m A , Filter : 12dB/OCT10, 30 100 1.000Hz	10,000	N		7 days	B3
Test elements/su pport tool	UKK-3073	Dynamic Strain Unit	NEC Avio	4126	Unit for 6G series, AC 1 ch, Covering range : 6 0Ω ~ 1 k Ω, Frequency output : D C ~ 1 0 k H z , Output : ± 2 V , ± 3 0 m A , Filter : 12dB/OCT10, 30 100 1.000Hz	10,000	N		7 days	B3
Test elements/su pport tool	UKK-3072	Dynamic Strain Unit	NEC Avio	4126	Unit for 6G series, AC 1 ch, Covering range : 6 0Ω ~ 1 k Ω, Frequency output : D C ~ 1 0 k H z , Output : ± 2 V , ± 3 0 m A , Filter : 12dB/OCT10, 30 100 1.000Hz	10,000	N		7 days	B3
Test elements/su pport tool	UKK-3070	Dynamic Strain Unit	NEC Avio	4126	Unit for 6G series, AC 1 ch, Covering range : 6 0Ω ~ 1 k Ω, Frequency output : D C ~ 1 0 k H z , Output : ± 2 V , ± 3 0 m A , Filter : 12dB/OCT10, 30 100 1.000Hz	10,000	N		7 days	B3
Test elements/su pport tool	UKK-3069	Dynamic Strain Unit	NEC Avio	4126	Unit for 6G series, AC 1 ch, Covering range : 6 0Ω ~ 1 k Ω, Frequency output : D C ~ 1 0 k H z , Output : ± 2 V , ± 3 0 m A , Filter : 12dB/OCT10, 30 100 1.000Hz	10,000	N		7 days	B3
Test elements/su pport tool	UKK-3071	Dynamic Strain Unit	NEC Avio	4126	Unit for 6G series, AC 1 ch, Covering range : 6 0Ω ~ 1 k Ω, Frequency output : D C ~ 1 0 k H z , Output : ± 2 V , ± 3 0 m A , Filter : 12dB/OCT10, 30 100 1.000Hz	10,000	N		7 days	B3
Test elements/su pport tool	TOK-1215	Filter	NEC Avio	9B02	Low pass filter , 2C H/Unit construction , Individual power supply of each channel , Filter characteristic : Butterworth/Bessel switchover , Usable for Buffer amplifier of recorder , Over output display	12,000	A+B		None	B3
Test elements/su pport tool	Y0689	Dinamic strain tester	NEC-Sanei	AS1503	AC, 1 c h, Guage : 6 0Ω ~ 1 k Ω, Frequency characteristic : D C ~ 2 k H z , Output : ± 1 0 V , ± 3 0 m A , Filter : 10, 3 0 , 3 0 0 , 5 0 0 H z Power : A C 1 0 0 V , D C 1 0 . 5 ~ 1 5 V , W / B , Auto balance, Display : 7 segment digital	70,000	A+B		6 months	R1
Test elements/su pport tool	Y0688	Dinamic strain tester	NEC-Sanei	AS1503	AC, 1 c h, Guage : 6 0Ω ~ 1 k Ω, Frequency characteristic : D C ~ 2 k H z , Output : ± 1 0 V , ± 3 0 m A , Filter : 10, 3 0 , 3 0 0 , 5 0 0 H z Power : A C 1 0 0 V , D C 1 0 . 5 ~ 1 5 V , W / B , Auto balance, Display : 7 segment digital	70,000	A+B		6 months	R1
Test elements/su pport tool	TO32-4003	Strain amplifier	NEC-Sanei	RT31-111	For R T 3 0 0 0 N Unit, D C ~ 1 0 k H z	20,000	A+B		7 days	B2
Test elements/su pport tool	TO32-4002	Strain amplifier	NEC-Sanei	RT31-111	For R T 3 0 0 0 N Unit, D C ~ 1 0 k H z	20,000	A+B		7 days	B2

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Test elements/suport tool	TO32-6109	Direction Connector	R&K	DC-501302-2047	FREQUENCY RANGE : 500MHz ~ 3GHz、 MAIN LINE LOSS : 0.75dB(MAX)、 COUPLING : 20dB±1dB、 VSWR : 1.5(MAX)、 IMPEDANCE : 50Ω MAXIMUM INPUT POWER : 50W SMA	10,000	N		7 days	B2
Test elements/suport tool	UKK-0393	APC3.5(Female)-APC3.5(Female)	Agilent	1250-1749	APC3.5(Female)-APC3.5(Female)	10,000	N		7 days	B2
Test elements/suport tool	UKK-0394	APC3.5(Female)-APC3.5(Female)	Agilent	1250-1749	APC3.5(Female)-APC3.5(Female)	10,000	N		7 days	B2
Test elements/suport tool	Y0814	Multiplexer	Agilent	34901A	For 34970A, 20ch	24,000	N		7 days	R1
Test elements/suport tool	Y0815	Multiplexer	Agilent	34901A	For 34970A, 20ch	24,000	N		7 days	R1
Test elements/suport tool	Y0816	Multiplexer	Agilent	34901A	For 34970A, 20ch	24,000	N		7 days	R1
Test elements/suport tool	Y0739	Switch Controller	Agilent	3499B	2 slot Half rack size, Switch/control unit, Main frame	105,000	B		6 months	R2
Test elements/suport tool	UKK-0307	Module	Agilent	44470A	10ch Relay multiplexer module for 3488A3499A, Max. 250 V, 2 A, 60 W, 125 VA / ch	25,000	N		7 days	B3
Test elements/suport tool	UKK-0309	Module	Agilent	44471D	20ch Multipurpose relay module for 3488A3499A. Each relays can be switched (Max.250V, 1A, or Max.60W or Max.125VA)	30,000	N		7 days	B3
Test elements/suport tool	UKK-0310	Module	Agilent	44471D	20ch Multipurpose relay module for 3488A3499A. Each relays can be switched (Max.250V, 1A, or Max.60W or Max.125VA)	30,000	N		7 days	B3
Test elements/suport tool	Y0766	Module	Agilent	44476A	For 3488A3499A. Microwave switch module	200,000	N		7 days	R2
Test elements/suport tool	UKK-2895	Direction Connector	Agilent	778D	Frequency range : 100MHz ~ 2GHz, Attenuation : 20dB, Input : Max.50W, Primary Input N type receipt /Output N type plug, Aux. N型 receptacle	40,000	N		7 days	B2
Test elements/suport tool	UKK-2896	Direction Connector	Agilent	778D	Frequency range : 100MHz ~ 2GHz, Attenuation : 20dB, Input : Max.50W, Primary Input N type receipt /Output N type plug, Aux. N型 receptacle	40,000	N		7 days	B2
Test elements/suport tool	UKS-0072	Coaxial adapter	Agilent	83059B	DC ~ 26.5GHz, 3.5mm Female, 3.5mm Female, Return loss : 32dB	10,000	N		None	B3
Test elements/suport tool	UKK-6502	Pre Amp (RF Amplifier)	Agilent	8447F	0.009 ~ 50MHz, Gain : 28dB, 0.1 ~ 1300MHz, Gain 25dB	80,000	C	OPT:H64	7 days	B2
Test elements/suport tool	UKK-0990	Fixed attenuator	Agilent	8491A	Frequency range : DC ~ 12, 4GHz, 2W, 50Ω/N (plug) - N (receipt) , Op.006(6dB)	10,000	N	006	7 days	B2
Test elements/suport tool	TO32-6014	Fixed attenuator	Agilent	8493A	Frequency range : DC ~ 12.4 GHz, Attenuation : Max.10±0.5dB, Power : 2W, Connector : 50Ω SMA type (plug./receipt) Remark : 0100 (attenuation : 10dB)	10,000	N	010	7 days	B2

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Test elements/su pport tool	UKK-6307	Fixed attenuator	Agilent	8493C	Frequency range : DC ~ 26.5GHz, Max. input power : 2W(Ave.)/100W(peak), Connector : 50Ω 3.5mm type (plug · receipt) , Note : 020 (Attenuation :20dB)	10,000	B	English manual	7 days	B2
Test elements/su pport tool	UKK-6308	Coaxial fixed attenuator (20dB)	Agilent	8493C	Frequency range : DC ~ 26.5GHz, Max. input power : 2W(Ave.)/100W(peak), Connector : 50Ω 3.5mm type (plug · receipt) , Note : 020 (Attenuation :20dB)	10,000	B	English manual	7 days	B2
Test elements/su pport tool	UKK-6349	Step attenuator	Agilent	8494B	Frequency range : DC ~ 18GHz, Attenuation range : 0 ~ 11dB/1dB step, SWR : 1.5(Max. 8GHz), 1.6(Max. 12.4GHz), 1.9(Max. 18GHz), RF power consumption : Max 1W(Ave.)- 100W(Peak)	60,000	B	opt:001(N type Female connector)	7 days	B2
Test elements/su pport tool	UKK-3916	Attenuator	Agilent	8495B	Frequency range : DC ~ 18GHz, 0 ~ 70dB (10dB step) , 50ΩOp.001 (N type receipt)	46,000	B		1 month	B1
Test elements/su pport tool	UKK-6496	Step attenuator	Agilent	8495D	Manual step attenuator, DC ~ 26.5GHz, 0 ~ 70dB (10dB step) , Input : 1W max., APC-3.5mm(receipt)	60,000	N	OPT:004,890	7 days	B2
Test elements/su pport tool	UKK-6310	Step attenuator	Agilent	8496A	Frequency range : DC ~ 4GHz, Attenuation range : 0 ~ 110dB (10dB step) , Connector : N type, RF power consumption :Max. 1W(Ave.)/100W(Peak) SWR : Max 1.5	40,000	B	opt:001(N type Female connector) English manual	7 days	B2
Test elements/su pport tool	UKK-0992	Fixed attenuator	Agilent	8498A030	High power attenuator. Frequency range : DC ~ 18GH, 30dB, 25W(Ave)· 500W(peak, DC ~ 5.8GHz)· 125W(peak, 5.8 ~ 18GHz), N(plug)-N(receipt)	40,000	N		7 days	B2
Test elements/su pport tool	UKK-0993	Fixed attenuator	Agilent	8498A030	High power attenuator. Frequency range : DC ~ 18GH, 30dB, 25W(Ave)· 500W(peak, DC ~ 5.8GHz)· 125W(peak, 5.8 ~ 18GHz), N(plug)-N(receipt)	40,000	N		7 days	B2
Test elements/su pport tool	4TG-5213	Demodulator	Agilent	85037B	For 8757D Scalar network analyzer. Frequency range : 10MHz - 26.5GHz, Usable both detection mode of AC & DC	40,000	B		1 month	B1
Test elements/su pport tool	UKK-0308	Module	Agilent	44471D	20ch Multipurpose relay module for 3488A3499A. Each relays can be switched (Max.250V, 1A, or Max.60W or Max.125VA)	30,000	N		7 days	B3
Test elements/su pport tool	UKS-0045	Conversion Aduptor	Agilent	85130-60005	3.5mmNMD-3.5PSC (receipt)	10,000	N		None	B3
Test elements/su pport tool	UKS-0046	Conversion Aduptor	Agilent	85130-60005	3.5mmNMD-3.5PSC (receipt)	10,000	N		None	B3
Test elements/su pport tool	UKK-5326	RF Pre-Amp	Agilent	87405C	100MHz ~ 18GHz, 25dB, Noise index : 6dB(0.1 ~ 4GHz)/4.5dB(4 ~ 18GHz), Input return loss : 15dB(0.1 ~ 4GHz)/10dB(4 ~ 18GHz), Output return loss : 15dB(0.1 ~ 4GHz)/10dB(4 ~ 18GHz), Input impedance : :50Ω(representative figure) , Safe input power : Max +15dB	120,000	A	Op:101(Power cable)	1 month	B2
Test elements/su pport tool	UKS-0038	Conversion Cable	Agilent	E4401-60066	For ESA spectrum analyzer. 12VDC	5,000	B		None	B3
Test elements/su pport tool	UKK-4875	AC/DC Aduptor	Agilent	N9910X-873	For N991X	3,000	N		None	B3
Test elements/su pport tool	TO32-5838	Fixed attenuator	Agilent	X382A	Variable waveguide attenuator, Attenuation range : 0 ~ 50dB, DC8.2 ~ 12.4GHz, SWR : Max.1.15, Power (CW) : Max. 10 W	70,000	N		7 days	B2
Test elements/su pport tool	UKS-0018	Detector	ANRITSU	MA4722A	For measuring ampoule, IN : SMA-P, OUT:BNC-J	40,000	N		None	B2

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Test elements/su pport tool	UKK-6292	Filter (RF)	NF	3660A	Harmonic wave continuous variable filter Frequency range : 1MHz ~ 100MHz, 1 c h , Attenuation gradient : 48dB/oct(LPF), 12dB/oct(HPF) , Input impedance : 50Ω, Filter : LPF·HPF, Resolution : 2 digit, Pass gain : × 1. × 2. × 5. × 10. Switchover	300,000	C		1 month	B2
Test elements/su pport tool	UKK-2842	D/C amplifier	TEAC	SA16U	Frequency(MHz): DC ~ 50KHz, Output : ±10V、 Gain (db) : 60db	30,000	A+B		7 days	B3
Test elements/su pport tool	TO32-6252	Transient Simulator	Noise Lab	FNS105AX	Output voltage : 0 ~ 4500V, Repeating pulse frequency : Max. 100KHz	250,000	A+B		7 days	B2
Test elements/su pport tool	UKK-5865	Attenuation/oscillating wave allowance tester	Noise labo	SWCS-900-100K-B	For IEC61000-4-18 Ed1.0, Output voltage : :250 ~ 3000V, Short circuit current : 1.25 ~ 15A, Oscillating frequency : 100kHz, CND power voltage : Single/three-phase AC240V20A,DC125V20A Power supply : AC100 ~ 240V	500,000	A+B		1 month	B2
Test elements/su pport tool	TOK-1732	Z axis controller	HIROX	CT7	For Electrical moving angle stage to control electric focus block to set/operate for various purposes Size : 210×164×62 Weight : 1.3kg	10,000	A		None	B3
Test elements/su pport tool	UKK-6550	Programable attenuator	Micronics	MAT800B	Frequency range : 3.0G ~ 9.0GHz, Attenuation : Max.80dB, Step. : Min.05dB	200,000	A+B	CD-ROM,RS-232C cable	7 days	B2
Test elements/su pport tool	UKK-2158	Filter (RF)	Mini Circuit	NHP-1000	High pass filter N (plug) - N (receipt) , S T O P : 40dB and over D C ~ 550MHz, 20dB and over 550 ~ 720MHz, P A S S : 1000 ~ 3000MHz	1,500	N		None	B3
Test elements/su pport tool	UKK-2155	Filter (RF)	Mini Circuit	NHP-1000	High pass filter N (plug) - N (receipt) , S T O P : 40dB and over D C ~ 550MHz, 20dB and over 550 ~ 720MHz, P A S S : 1000 ~ 3000MHz	1,500	N		None	B3
Test elements/su pport tool	UKS-0049	Module	Line eye	OP-SB5G	For LE-3500/LE-2500 I2C, BURST, SPIextension kit, SPI : Able to use only at using LE-3500(after Version1.03), Interface : RS-232C, 3V/5V TTL	8,000	A+B	Accessory kit	None	B3
Test elements/su pport tool	UKS-0035	Impedance Convertor	EIDEN	932H-4E	75Ω/50Ω Conversion : 900 ~ 2400MHz	10,000	N		7 days	B2
Test elements/su pport tool	UKS-0036	Impedance Convertor	EIDEN	932H-4E	75Ω/50Ω Conversion : 900 ~ 2400MHz	10,000	N		7 days	B2
Test elements/su pport tool	UKK-6590	Standard Resister	YOKOGAWA	2792-04	Standrd Resister : 1Ω 4 terminals,Accuracy : ±0.005% at 20°C±1°C, Power capacity : 3W max. (in oil bath), 1W max. (in air).	30,000	N		7 days	B2
Test elements/su pport tool	Y0812	3488A Microwave switch module	Agilent	44476A	3488A3499A Microwave Swicth Module	200,000	N		7 days	R2
Test elements/su pport tool	Y0700	6 Dial Resistance Box	YOKOGAWA	2793-01	0.100 ~ 1111.210Ω, ±(0.01%+2mΩ)	138,000	B		6 months	R1
Test elements/su pport tool	Y0832	6 dial variable resister	YOKOGAWA	2793-01	0.100 ~ 1111.210Ω,±(0.01%+2mΩ)	138,000	A+B		6 months	R1
Test elements/su pport tool	UKK-6484	Standard Resister	YOKOGAWA	2794-05	Resistance value : 10Ω, Accuracy : ±0.002%, Testing accuracy : ± 0.0005%, 4 terminals	50,000	N		7 days	B2
Test elements/su pport tool	UKK-4216	Dynamic strain tester	KYOWA	DPM713B	AC inch , Gauge : 6 0 ~ 1 , 0 0 0 Ω, Frequency range : D C ~ 1 0 k H z , Output : ± 5 V , ± 1 0 m A , Filter : 1 0 , 3 0 , 1 0 0 , 3 0 0 , 1 , 0 0 0 H z , Flat autobalance	40,000	A+B	BNC cable×2	1 month	B1

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Test elements/su pport tool	KA1095	Programable Attenuator	Tamagawa Electronics	TPA155B	Frequency range : 800MHz ~ 2200MHz(800MHz band), 2200MHz ~ 3000MHz/3000MHz ~ 6000MHz(2000MHz band), Variable attenuation : 70dB(1dB step) Input : Max -3dBm	80,000	C		6 months	R2
Test elements/su pport tool	UKK-4372	Programable Attenuator	Tamagawa Electronics	TPA155B	Frequency range : 800MHz ~ 2200MHz(800MHz band), 2200MHz ~ 3000MHz/3000MHz ~ 6000MHz(2000MHz band), Variable attenuation : 70dB(1dB step) Input : Max -3dBm	160,000	B		1 month	B1
Test elements/su pport tool	KA1096	Programable Attenuator	Tamagawa Electronics	TPA155B	Frequency range : 800MHz ~ 2200MHz(800MHz band), 2200MHz ~ 3000MHz/3000MHz ~ 6000MHz(2000MHz band), Variable attenuation : 70dB(1dB step) Input : Max -3dBm	80,000	C		6 months	R2
Test elements/su pport tool	UKK-4249	Attenuator	Tamagawa Electronics	TRA-109D-BNCJ	DC ~ 1GHz, 0Ω.0.5W	30,000	N		1 month	B1
Test elements/su pport tool	UKK-3045	Fixed attenuator	Tamagawa Electronics	UFA01NPJ10	DC ~ 3GHz, 10dB, 1W, 50Ω, N (plug) - N (receipt)	10,000	N		7 days	B2
Test elements/su pport tool	UKK-3047	Fixed attenuator	Tamagawa Electronics	UFA01NPJ10	DC ~ 3GHz, 10dB, 1W, 50Ω, N (plug) - N (receipt)	10,000	N		7 days	B2
Test elements/su pport tool	UKK-3048	Fixed attenuator	Tamagawa Electronics	UFA01NPJ10	DC ~ 3GHz, 10dB, 1W, 50Ω, N (plug) - N (receipt)	10,000	N		7 days	B2
Test elements/su pport tool	UKK-5552	Fixed attenuator	Tamagawa Electronics	UFA-100NPJ-30	Frequency range : DC ~ 3GHz, Attenuation 30dB, Allowable power 100W, Impedance 50Ω, Input/output connector N-P/J	30,000	N		7 days	B2
Test elements/su pport tool	UKK-5567	Fixed attenuator	Tamagawa Electronics	UFA-100NPJ-30	Frequency range : DC ~ 3GHz, Attenuation 30dB, Allowable power 100W, Impedance 50Ω, Input/output connector N-P/J	30,000	N		7 days	B2
Test elements/su pport tool	UKK-4861	Fixed attenuator	Tamagawa Electronics	UFA20NPJ20	DC ~ 3GHz, 20dB, 20W, 50Ω, N (plug) - N (receipt)	16,000	N		7 days	B2
Test elements/su pport tool	UKK-6218	Fixed attenuator	Tamagawa Electronics	UFA-20NPJ-20	Frequency range : DC ~ 3GHz, Attenuation : 20dB, Power : 20W, Impedance : 50Ω, VSWR : 1.3, N(P) - N(J)	16,000	N		7 days	B2
Test elements/su pport tool	UKK-3771	Fixed attenuator	Tamagawa Electronics	UFA-50NPJ-30	Frequency range : DC ~ 3GHz, Attenuation : Max.30dB, Power allowance : 50W, Impedance : 50Ω, Connector : N(plug)-N(receipt)	25,000	N		7 days	B2
Test elements/su pport tool	UKK-3786	Fixed attenuator	Tamagawa Electronics	UFA-50NPJ-30	Frequency range : DC ~ 3GHz Attenuation : Max. 30dB Allowable power : 50W, Impudance : 50Ω, Connector : N(plug)-N(receipt)	25,000	N	Thermal finger twisted	7 days	B2
Test elements/su pport tool	UKK-3769	Fixed attenuator	Tamagawa Electronics	UFA-50NPJ-30	Frequency range : DC ~ 3GHz, Attenuation : Max.30dB, Power allowance : 50W, Impedance : 50Ω, Connector : N(plug)-N(receipt)	25,000	N		7 days	B2
Test elements/su pport tool	TOK-1596	Notch Filter	Tamagawa Electronics	URF222	Band rejection filter, Passing band frequency range (MHz) : 1 ~ 2,090, 2,190 ~ 2,500, Insertion loss : 4.0dB or below, Attenuation : 30dB or more (at 2,110MHz ~ 2,170MHz) , V S W R : 2.0 or below, Impedance : 50Ω (SMA) 10W	2,500	N		None	B3
Test elements/su pport tool	TO32-5906	Notch Filter	Tamagawa Electronics	URF256	Band rejection filter, 2.6GHz band, Notch filter, Unnecessary or specific spurious of decreasing	3,000	N		7 days	B2
Test elements/su pport tool	TO32-5905	Notch Filter	Tamagawa Electronics	URF256	Band rejection filter, 2.6GHz band, Notch filter, Unnecessary or specific spurious of decreasing	3,000	N		7 days	B2

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Test elements/suport tool	TO32-5907	Notch Filter	Tamagawa Electronics	URF256	Band rejection filter, 2.6GHz band, Notch filter, Unnecessary or specific spurious of decreasing	3,000	N		7 days	B2
Test elements/suport tool	TO32-5909	Notch Filter	Tamagawa Electronics	URF256	Band rejection filter, 2.6GHz band, Notch filter, Unnecessary or specific spurious of decreasing	3,000	N		7 days	B2
Test elements/suport tool	TO32-5910	Notch Filter	Tamagawa Electronics	URF256	Band rejection filter, 2.6GHz band, Notch filter, Unnecessary or specific spurious of decreasing	3,000	N		7 days	B2
Test elements/suport tool	TO32-5904	Notch Filter	Tamagawa Electronics	URF256	Band rejection filter, 2.6GHz band, Notch filter, Unnecessary or specific spurious of decreasing	3,000	N		7 days	B2
Test elements/suport tool	Y0738	DC Amp	Japan Avionix	AL1101	Channel : 2/unit, Gain accuracy : $\pm 0.5\%$ ($23^{\circ}\text{C}\pm 5^{\circ}\text{C}$), Gain stability : $\pm 0.05\%/^{\circ}\text{C}$, Frequency characteristic : DC ~ 10kHz(+1,-3dB)	59,000	A+B	output cable \times 2, adjusting driver \times 1	6 months	R1
V/A/W instruments	UKK-4965	Standard V/A generator	A D C	6243	DCV:320mV ~ 110V(10 μ V Step), DCI:32 μ A ~ 2A(10nA Step), Pulse width : Min. 1ms, GPIB	260,000	A+B		1 month	B2
V/A/W instruments	UKK-5890	Digital multi meter	A D C	ADCE7351A	5.1/2 digit 199999, DCV : 1 μ V ~ 1000V, ACV : 1 μ V ~ 700V, DCI/ACI : 1 μ A ~ 10A, Measuring resistance : 1m Ω ~ 200M Ω , Measuring frequency : 20Hz ~ 100kHz, Operation function : USB, GPIB	40,000	C		1 month	B2
V/A/W instruments	UKK-5871	Digital multi meter	A D C	ADCE7351A	5.1/2 digit 199999, DCV : 1 μ V ~ 1000V, ACV : 1 μ V ~ 700V, DCI/ACI : 1 μ A ~ 10A, Measuring resistance : 1m Ω ~ 200M Ω , Measuring frequency : 20Hz ~ 100kHz, Operation function : USB, GPIB	40,000	C		1 month	B2
V/A/W instruments	UKK-5876	Digital multi meter	A D C	ADCE7351A	5.1/2 digit 199999, DCV : 1 μ V ~ 1000V, ACV : 1 μ V ~ 700V, DCI/ACI : 1 μ A ~ 10A, Measuring resistance : 1m Ω ~ 200M Ω , Measuring frequency : 20Hz ~ 100kHz, Operation function : USB, GPIB	40,000	C		1 month	B2
V/A/W instruments	UKK-3480	Digital multi meter	Agilent	3457A	6.1/2 digit 3030000, D C V / I , A C / D C A C V / I (True RMS measurement), 2W/4W Ω , H z , Operation function	80,000	C		1 month	B2
V/A/W instruments	UKK-4315	Digital multi meter	Agilent	3458A	8.1/2 digit, Max. 100,000/second(at 4. 1/2 digit), Max.input : 1000V, Resolution : DCV10nV, OHM10 μ Ω , Measurement mode : DCV, OHM, DCI, ACV, ACI, Cycle, Frequency, Voltage ratio digitizing mode(with HP-IB)	400,000	C		1 month	B2
V/A/W instruments	Y0748	V-A Calibrator	ADVANTES T	R6161	Voltage range : 0 ~ \pm 1199.999V, Current range : 0 ~ \pm 119.9999mA, Output : Voltage; Max. 1200V, Current; Max.120mA	229,000	A+B	01(changed the max. tracking voltage of 1mA,10mA range to 1200V)	6 months	R1
V/A/W instruments	UKK-5919	Standard V/A generator calibrator	ADVANTES T	R6243	Max. output Current : ~ \pm 32V \pm 2A, ~ \pm 64V \pm 1A, ~ \pm 110V \pm 0.5A, Voltage measuring range : 320mV ~ 110V, Current measuring range : 32 μ A ~ 2A	260,000	A+B		1 month	B2
V/A/W instruments	UKK-6138	Digital multi meter	ADVANTES T	R6441C	Max. indication : 19999, DCV : 20mV ~ 1000V(6 range), ACV : 200mV ~ 700V(5 range), DCI : 2 μ A ~ 5A(8 range), ACI : 200 μ A ~ 5A(6 range), Measuring : Resistance · In circuit resistance · Continuity · Diode, Operation function	35,000	C	Handle missing	1 month	B2
V/A/W instruments	UKK-6603	Standard Voltage/Current Generator	ADVANTES T	TR6143	Voltage generation/Current measurement : Voltage generation range : 320mV ~ 110V, Current measurement range : 32 μ A ~ 2A, Current generation/Voltage measurement : Current generation range : 32 μ A ~ 2A, Voltage measurement range : 320mV ~ 110V	120,000	C		1 month	B2
V/A/W instruments	Y0831	Current meter	ADC	8340A	Measuring current range : 10 f A ~ 19.999m A , Measuring resistance range : 10 Ω ~ 30 P Ω (3×10^4)	162,000	A+B		6 months	R1
V/A/W instruments	UKK-5654	Relay Tester	NF	AS-288	V3 ϕ - I3 ϕ , Output frequency : 1.00Hz ~ 500.00Hz, Three-phase voltage : 0 ~ 220Vrms, Current output : 0 ~ 9.995Arms(20 ~ 500Hz)/0 ~ 2.000Arms(1 ~ 20Hz) AC100V/48 ~ 62Hz, Power input : Approx 900VA, GP-IB	1,200,000	A+B		1 month	B2

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V/A/W instruments	UKK-6569	Standard Output tester	ANDO	AD-4030	AD-4530(DC & 20Hz ~ 2MHz, 75Ω balance), AD-4533(DC & 20Hz ~ 500kHz, 600Ωbalance), AD-4732(DC & 20Hz ~ 30MHz, 75ΩUnbalance). Measuring range : -1 ~ +11dBm or 0.79 ~ 12.6mW	60,000	C	AD-4530/AD-4533/AD-4732	1 month	B2
V/A/W instruments	UKS-0079	Handy power meter	YOKOGAWA M&C	2041-03	Rank : 0.5 class, Frequency characteristic : DC,25 ~ 1000Hz, Rated voltage : 120/240V, Rated current : 1/5A	30,000	A	case	7 days	B2
V/A/W instruments	Y0774	Digital Power meter	YOKOGAWA	7601-01	Voltage/current input by each 6 voltage/ current input, Mesuring range : :1.5 ~ 1000V · 1 ~ 50A, Frequency characteristic : :DC:0.5 ~ 1MHz	1,000,000	A+B	758917×6,758929×6	6 months	R1
V/A/W instruments	Y0762	Digital Power meter	YOKOGAWA	7601-01	Measuring range : 1.5 ~ 1000V · 10m ~ 5A, Frequency characteristic : DC,0.5 ~ 1MHz,Op.60(5A×6 input elements), C1(GPIB), B5(built-in printer), MTR(Motor evaluation function), DA(30chDA output), C10(Ethernet, 10GBHDD SCSI Interface)	800,000	A+B	-60-C1-M/B5/C10/DA/MTR, 758917×6,758929×6	6 months	R1
V/A/W instruments	UKK-6219	Current Sensor	YOKOGAWA	CT60	AC/DC, Current : 60Apeak, Measuring range : DC ~ 800kHz, Power for single phase(TD-1000)	60,000	A+B	OPT:TD-1000(s/n33180-	7 days	B2
V/A/W instruments	UKK-6220	Current Sensor	YOKOGAWA	CT60	AC/DC, Current : 60Apeak, Measuring range : DC ~ 800kHz, Power for single phase(TD-1000)	60,000	A+B	OPT:TD-1000(s/n33180-	7 days	B2
V/A/W instruments	TK21-1282	Clamp-on power tester	YOKOGAWA	253311	30 ~ 600V6 range, 0.5 ~ 20A6 range, 10Hz ~ 20kHz, Voltage, Current, Display measurements of Effective power, Apparent power, Reactive power etc at the same time. RS-232C, GPIB	90,000	C		1 month	B1
V/A/W instruments	UKK-4856	Clamp-on sensor	YOKOGAWA	751552	0.001Arms ~ 1000Arms, Max.1400Apk(AC), 30Hz ~ 5kHz(±2%), Accuracy : ±0.3%ofrdq, Phase error : 0.7deg(50/60Hz), Current output : 1mA/A	20,000	A+B	758917,758921	7 days	B2
V/A/W instruments	UKK-0963	Power meter	YOKOGAWA	2533-21	V,I,W,VA,Var,single phase,10Hz ~ 20kHz, Digital single phase power meter 30V ~ 600V 0.5A ~ 20A 15W ~ 12kW	90,000	C		1 month	B1
V/A/W instruments	UKK-0587	V-A Calibrator	YOKOGAWA	2552/2561	2552(DC standard voltage calibrator) : Max.±1200V, Resolution1μV(1000mV range), 2561(current unit) : 7 range of 100uA ~ 30A	500,000	C	connection cable	1 month	B2
V/A/W instruments	TR2870	V-A Calibrator	YOKOGAWA	255701(CA100)	Generating function : DCV, DCA, Resistance, Thermo-couple, RTD, Frequency/pulse signal, Measuring function : DCV,DCA	54,000	A+B		7 days	R2
V/A/W instruments	TR2896	Standard V/A generator	YOKOGAWA	CA100(255701)	Generating function : DCV, DCA, Resistance, Thermo-couple, RTD, Frequency/Pulse signal, Mesurement function : DCV, DCA	55,000	A+B	RJ sensor, AC adapter, Ni-Cd battery	7 days	R2
V/A/W instruments	UKK-3486	Digital Power meter	YOKOGAWA	WT1030	WT1030, Three-phase 3 eires, Measuring range : 1000V/20A (DC & 0.5Hz ~ 300kHz)	150,000	C	op:GPIB, inside printer	7 days	B2
V/A/W instruments	UKK-6225	Digital Power meter	KYOURITU	6305	Measurement line : Single phase 2 lines style (1 ~ 3 system), Single phase 3 lines style, Three phase 3 lines style(3P3W, 3P3W3A), Three phase 4 lines style. Measuring items : Voltage, Current, Frequency, Effective Power. Voltage range : 150,300,600V. Current range : by each sensor, Frequency display range : 40 ~ 70Hz	70,000	A+B	8128×3, 7255, SD Card (2G), USB Cable, CD-ROM	1 month	B2
V/A/W instruments	UKK-6413	Clamp-on power high tester	HIOKI	3168	Measurement line : Single phase 2 line, Single phase 3 line, Three-phase 3 line, Measuring items : Voltage, Current, Effective power, Effective electric energy, Power factor, Measuring range : Voltage/200V(90V ~ 240V), Current/by each clamp sensor	45,000	A+B		1 month	B2
V/A/W instruments	4TG-6923	Clamp-on power tester	HIOKI	3193	Current clamp input type, Measuring voltage range : 6V ~ 600V, Measuring current range : depending on clamps, D D, G P I B / R S 2 3 2 C, O n 9602 (AC/DC clamp input unit)	250,000	B	9600×2,9605×1	1 month	B1
V/A/W instruments	TOK-2701	Harmonic Tester	HIOKI	3194	Measuring line : Single phase 2 wires, Single phase 3 wires, Three-phase 3 wires, Three-phase 4 wires, A C / D C clamp input × 3, Usable clamp senso (A C / D C : 9 2 7 7 , 9 2 7 8 , 9 2 7 9 , A C : 9 2 7 0 , 9 2 7 1 , 9 2 7 2) , G P I B / R S 2 3 2 C	200,000	B		1 month	B1
V/A/W instruments	THC-366	Clamp-on Hi-tester	HIOKI	3290	A C V / I (1 0 H z ~ 1 K H z) , D C V , f , Measuring range : 2 0 A ~ 2 0 0 0	20,000	A+B		1 month	B1
V/A/W instruments	TR2879	Clamp-on Hi-tester	HIOKI	3290	Measuring system : DC, AC+DC(True RMS value), AC(True RMS value/Ave.) by DCI clamp sensor, ACI(45 ~ 66Hz) by clamp sensor, Frequency : 1.00Hz ~ 1000Hz	22,000	A+B	output cable(9094), AC adapter, case, No battery	7 days	R2
V/A/W instruments	THC-362	Clamp-on Hi-tester	HIOKI	3290	A C V / I (1 0 H z ~ 1 K H z) , D C V , f , Measuring range : 2 0 A ~ 2 0 0 0	20,000	A+B		1 month	B1

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V/A/W instruments	THC-367	Clamp-on Hi-tester	HIOKI	3290	AC V/I (1 0 H z ~ 1 K H z) , DC V , f , Measuring range : 2 0 A ~ 2 0 0 0	20,000	A+B		1 month	B1
V/A/W instruments	TR2878	Clamp-on Hi-tester	HIOKI	3290	Measuring system : DC, AC+DC(True RMS value), AC(True RMS value/Ave.) by DCI clamp sensor, ACI(45 ~ 66Hz) by clamp sensor, Frequency : 1.00Hz ~ 1000Hz	22,000	A+B		7 days	R2
V/A/W instruments	TOK-2011	Clamp-on Hi-tester	HIOKI	3290	AC V/I (1 0 H z ~ 1 K H z) , DC V , f , Measuring range : 2 0 A ~ 2 0 0 0	20,000	A+B		1 month	B2
V/A/W instruments	THC-365	Clamp-on Hi-tester	HIOKI	3290	AC V/I (1 0 H z ~ 1 K H z) , DC V , f , Measuring range : 2 0 A ~ 2 0 0 0	20,000	A+B		1 month	B1
V/A/W instruments	THC-364	Clamp-on Hi-tester	HIOKI	3290	AC V/I (1 0 H z ~ 1 K H z) , DC V , f , Measuring range : 2 0 A ~ 2 0 0 0	20,000	A+B		1 month	B1
V/A/W instruments	TOK-2010	Clamp-on Hi-tester	HIOKI	3290	AC V/I (1 0 H z ~ 1 K H z) , DC V , f , Measuring range : 2 0 A ~ 2 0 0 0	20,000	A+B		1 month	B2
V/A/W instruments	TR2829	Clamp-on Hi-tester	HIOKI	3290	AC V/I (1 0 H z ~ 1 K H z) , DC V , f , Measuring range : 2 0 A ~ 2 0 0 0	22,000	A+B	9094(output cable)、case	7 days	R2
V/A/W instruments	UKK-4295	Power Analyzer	HIOKI	3390	Voltage : 15 ~ 1500V, 7range, Current : 400mA ~ 500A(Range changeable by each rating sensor of 20A/50A/200A/500A), Power : 6.0000W ~ 2.2500MW(depending on connection, combination of voltage/current), Frequency : 0.5Hz ~ 5kHz	400,000	A+B	9438-70×4,CFcard1GB	1 month	B1
V/A/W instruments	UKK-4297	Power analyzer	HIOKI	3390	Volatage : 15 ~ 1500V, 7 range. Current : 400mA ~ 500A(Range component to be changed by each sensor of 20A/50A/200A/500A rating), Power : 6.0000W ~ 2.2500MW(To be changed by connection setting and combination of voltage/current range). Frequency : 0.5Hz ~ 5kHz	400,000	A+B	opt:9430-70×4,9729,9793	1 month	B2
V/A/W instruments	UKK-4833	Clamp-on sensor	HIOKI	9279	DC ~ 20kHz, AC/DC500A, φ40mm	20,000	A+B	case	7 days	B2
V/A/W instruments	UKK-4832	Clamp-on sensor	HIOKI	9279	DC ~ 20kHz, AC/DC500A, φ40mm	20,000	A+B	case	7 days	B2
V/A/W instruments	TR2858	Clamp-on sensor	HIOKI	9692	Clamp-on AC/DC CT for high tester 3290 、 2 0 0 A , DC ~ 1 0 k H z , φ 3 3 m m . Code : 2 m	4,000	B		7 days	R2
V/A/W instruments	TR2856	Clamp-on sensor	HIOKI	9692	Clamp-on AC/DC CT for high tester 3290 、 2 0 0 A , DC ~ 1 0 k H z , φ 3 3 m m . Code : 2 m	4,000	B		7 days	R2
V/A/W instruments	TOK-2033	Clamp-on sensor	HIOKI	9693	Clamp-on AC/DC CT for high tester 3290 、 2 0 0 A , DC ~ 1 0 k H z , φ 3 3 m m . Code : 2 m	10,000	B		7 days	B2
V/A/W instruments	TOK-2311	Clamp-on sensor	HIOKI	9693	Clamp-on AC/DC CT for high tester 3290 、 2 0 0 A , DC ~ 1 0 k H z , φ 3 3 m m . Code : 2 m	10,000	B		7 days	B2
V/A/W instruments	TOK-2034	Clamp-on sensor	HIOKI	9693	Clamp-on AC/DC CT for high tester 3290 、 2 0 0 A , DC ~ 1 0 k H z , φ 3 3 m m . Code : 2 m	10,000	B		7 days	B2
V/A/W instruments	TOK-1230	Clamp-on sensor	HIOKI	9693	Clamp-on AC/DC CT for high tester 3290 、 2 0 0 A , DC ~ 1 0 k H z , φ 3 3 m m . Code : 2 m	10,000	B		7 days	B2
V/A/W instruments	TOK-2032	Clamp-on sensor	HIOKI	9693	Clamp-on AC/DC CT for high tester 3290 、 2 0 0 A , DC ~ 1 0 k H z , φ 3 3 m m . Code : 2 m	10,000	B		7 days	B2
V/A/W instruments	TOK-2030	Clamp-on sensor	HIOKI	9693	Clamp-on AC/DC CT for high tester 3290 、 2 0 0 A , DC ~ 1 0 k H z , φ 3 3 m m . Code : 2 m	10,000	B		7 days	B2
V/A/W instruments	TR2591	Clamp Tester	HIOKI	3109-01	DC I · AC I (2 0 ~ 5 0 0 H z) · DC V · AC V · T r R M S , 1 0 0 ~ 2 0 0 0 A · 1 0 ~ 5 0 0 V range. Output : 1 V / f . S .	18,000	A+B		7 days	R2
V/A/W instruments	TR2872	Clamp Tester	HIOKI	3109-01	DC · AC range : 100, 250, 500, 1000, (2500)A* Max. 2000A, DC · AC voltage range : 10, 25, 50, 250, 500V, Frequency characteristic : Error within ±1% from 50/60Hz for 20 ~ 500Hz DC and AC, Clamp (9001) caliber : Max. 30mm, Clamp (9002) caliber : Max. 46mm	13,500	A+B	Alligator clip, banana— alligator cable	7 days	R2
V/A/W instruments	UKK-3454	Standard Divider	Japan Finechem	DVI-10S	Rating voltage : DC±10kV, Accuracy : ±0.2%	20,000	N		7 days	B2

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Power Electronics	UKK-6448	DC V-A Regulator	Agilent	6030A	Output voltage : 0 ~ 200V, Output current : 0 ~ 17A, Power : Max. 1200W, Auto range output : 200V/5A, 120V/10A, 60V/17A, Display : Digital I/F:GP-IB	150,000	A+B	OPT:100, CD-ROM, felite kit×3,terminal block	1 month	B2
Power Electronics	UKK-6086	DC V-A Regulator	Agilent	6033A	Output voltage : 0 ~ 20V, Output current : 0 ~ 30A, Power : Max.240W, Display : Digital, I/F : GP-IB	80,000	A+B	English manual	1 month	B2
Power Electronics	UKK-6087	DC V-A Regulator	Agilent	6033A	Output voltage : 0 ~ 20V, Output current : 0 ~ 30A, Power : Max.240W, Display : Digital, I/F : GP-IB	80,000	A+B	English manual	1 month	B2
Power Electronics	UKK-6089	DC V-A Regulator	Agilent	6622A	DC system power supply, 2ch output, 80W, 0 ~ 20 V, 0 ~ 4 A / 0 ~ 50 V, 0 ~ 2 A	80,000	A	CD-ROM	1 month	B2
Power Electronics	UKK-6088	DC V-A Regulator	Agilent	6622A	DC system power supply, 2ch output, 80W, 0 ~ 20 V, 0 ~ 4 A / 0 ~ 50 V, 0 ~ 2 A	80,000	A	CD-ROM	1 month	B2
Power Electronics	UKK-5673	DC V-A Regulator	Agilent	6623A	System power supply, 3ch output, Output structure : 40W output(Low range 7V/5A, High range 20V/2A), 40W output(Low range 20V/2A, High range 50V/0.8A), 80W output(Low range 7V/10A, High range 50V/2A), Ripple noise, Constant voltage : rms500uV, Peak : two	80,000	C	loss of one foot	1 month	B2
Power Electronics	UKK-5674	DC V-A Regulator	Agilent	6624A	Output 2ch, 40W, output(Low range 0 ~ 7V/0 ~ 5A, 0 ~ 20V/0 ~ 2A, High range 0 ~ 20V/0 ~ 2A, 0 ~ 50V/0 ~ 0.8A)	80,000	C		1 month	B2
Power Electronics	TM365	DC V-A Regulator	Agilent	6625A	DC system power supply, Input : 100VAC, Multiple output : 25/50W×2、7V/15mA or 16V/200mA	120,000	C		7 days	R2
Power Electronics	TO32-5899	Lithium-ion Battery Test equipment	NF	AS-510-LB4	4A model, Voltage setting range : -5V ~ +5V (±4A), Current setting range : ±400mA (-5V ~ +5V) / ±4A(-5V ~ +5V), Measuring frequency : 0.1mHz ~ 100kHz	400,000	A+B		1 month	B1
Power Electronics	UKK-5847	Electronic load Booster	NF	AS-514	For AS-513, Possible to connect 4 boosters max. for 1 Master. Input Power : :2kVA, Power : AC90 ~ 132,180 ~ 250V * Connection of master /slave and booster is only for the same hardware version	300,000	A+B	OPT: 02, Booster control cable	7 days	B3
Power Electronics	UKK-5664	Electronic Load	Chroma	6312A/63102A	63102A:0 ~ 20A, 0 ~ 80V, 100W×2ch	100,000	C	banana plug	1 month	B2
Power Electronics	UKK-5846	DC V-A Regulator	Sorensen	SGI330X15C-2AAB-5M	Capacity : 5kW, Output voltage : 330V, Output current : 15A, Series connection : 2 (Minus range : 300V or under), Parallel connection : 5 (with same voltage model 5 pcs), Sequence function : Max. 20 steps, 50 pieces, I/F:GP-IB/RS-232C, Input voltage	200,000	A+B		1 month	B3
Power Electronics	TKW-0567	DC V-A Regulator	TEXIO	PAR36-3HL	Display : Digit, Dropper system, 0 ~ 36V/0 ~ 3A	100,000	A+B		1 month	B1
Power Electronics	UKK-5814	DC V-A Regulator	TEXIO	PD36-20AD	Output voltage/current : 0 ~ 36V/0 ~ 20A, Overvoltage/overcurrent protection, Input voltage : AC100 ~ 240V	70,000	A+B		1 month	B2
Power Electronics	UKK-6335	Electroric loader	TEXIO	PEL151-201	Loading input voltage : DC1.5 ~ 200V, Current : DC0 ~ 30A, Loss power : 150W, Sequence control function, GP-IB	120,000	C		7 days	B2
Power Electronics	UKK-4374	DC V-A Regulator	TEXIO	PS10-35	Output voltage : 0 ~ 10V, Output current : 0 ~ 35A	40,000	A+B	control connector, connector cover	1 month	B1
Power Electronics	UKK-2085	DC V-A Regulator	TEXIO	PSR10-70	Switching system, 0V-10V, 0A-70A	26,000	C		7 days	B2
Power Electronics	UKK-6268	DC V-A Regulator	TEXIO	PU80-9.5	Output : 0 ~ 80V,0 ~ 9.5A, I/F:RS-232C, RS-485, Serial-parallel drive : Max. 2 at the same rating (series), Max. 4 at the same rating (parallel), Input voltage : 85 ~ 265VAC	60,000	A+B		7 days	B2
Power Electronics	UKK-3722	Electric Load	TEXIO	PXL151A	Operating voltage : 0.3V ~ 30V, Input current : Max.150A, Input power : 300W	200,000	A+B	controle connector×3	1 month	B1
Power Electronics	TOK-2663	Vibrating wave test equipment	Noise Lab	SWCS934	1MHz, 1000 ~ 3000V, 400Hz, 1 ~ 10sec	180,000	A+B		7 days	B2
Power Electronics	UKK-6637	Voltage Regulator	Musashi Intech Corp.	5KVASD	IP-R5000 type. 5kVA Voltage regulator for testing of withstanding voltage by R-1250 type. (no single use.) Input voltage : AC100V Single phase50/60Hz, Output voltage : AC0 ~ 130V, 10 minutes Rating capacitance : 5kVA, Weight : approx. 26kg	40,000	N		7 days	B3

Category	Product CD	Product name	Mnufacture	Model	Specification	Selling price (Net JPY)	Accessory (*1)	Option	Warranty period(*2)	Rank code(*3)
Power Electronics	TOK-0948	Three phase controller	KIKUSUI	3P02PCR-L	Contoroller (board) for PCR-L series	18,000	B		None	B3
Power Electronics	TO32-2875	Three phase controller	KIKUSUI	3P02PCR-L	Contoroller (board) for PCR-L series	10,000	A+B		None	B3
Power Electronics	TS13-1006	Three phase driver	KIKUSUI	3P02PCR-L	Contoroller (board) for AC power PCR-L/LT series	18,000	B		7 days	B2
Power Electronics	THC-003	Three phase driver	KIKUSUI	3P02-PCR-L	For AC power supply PCR-L/LT series	30,000	A+B		7 days	B3
Power Electronics	UKK-6609	DC V-A Regulator	KIKUSUI	PAD36-100LA	CV : 0 ~ 36V, CC : 0 ~ 100A, Type IV, Weight : approx. 96kg, Input voltage : 200V, Power : 7.1kVA	400,000	A+B		1 month	B2
Power Electronics	UKK-6610	DC V-A Regulator	KIKUSUI	PAN110-5A	CV : 0 ~ 110V, CC : 0 ~ 5A, Type I3, Weight : approx.22kg, Input voltage : 100V, Power : approx. 1kVA	70,000	A+B		1 month	B2
Power Electronics	UKK-6611	DC V-A Regulator	KIKUSUI	PAN110-5A	CV : 0 ~ 110V, CC : 0 ~ 5A, Type I3, Weight : approx.22kg, Input voltage : 100V, Power : approx. 1kVA	70,000	A+B		1 month	B2
Power Electronics	UKK-4910	DC V-A Regulator	KIKUSUI	PAN160-7A	Display : Digital, 0 ~ 160V, 0 ~ 7A, Input : AC100V single phase *Attached power cable : 3 wires-3 open (unable to connect with home use socket)	140,000	A+B	connector cover	1 month	B2
Power Electronics	UKK-4909	DC V-A Regulator	KIKUSUI	PAN160-7A	Display : Digital, 0 ~ 160V, 0 ~ 7A, Input : AC100V single phase *Attached power cable : 3 wires-3 open (unable to connect with home use socket)	140,000	A+B	connector cover	1 month	B2
Power Electronics	UKK-6116	DC V-A Regulator	KIKUSUI	PAN16-30A	Display : Digital, Regulated series system, 700W tycle, 0 ~ 16V, 0 ~ 30A, Input :	70,000	A+B		1 month	B2
Power Electronics	UKK-6612	DC V-A Regulator	KIKUSUI	PAN60-10A	Dropper system, Digital display, Output voltage/current : 0 ~ 60V/0 ~ 10A, AC input : 100V, Constant current, Ripple, Noise : 0.5mV or below, Load fluctuation : 0.005%+1mV or below, Remote operation, Size : 235W×160H×505Dmm, Weight : approx. 22kg	60,000	A+B		1 month	B2
Power Electronics	UKK-4826	DC V-A Regulator	KIKUSUI	PAS10-35	Display : Digital, 0 ~ 10V, 0 ~ 35A, Input : AC100 ~ 240V, 47 ~ 63Hz	50,000	A+B	TP-BUS connector, connector cover, screw(M4 M8) 2 pcs	1 month	B2
Power Electronics	UKK-4827	DC V-A Regulator	KIKUSUI	PAS10-35	Display : Digital, 0 ~ 10V, 0 ~ 35A, Input : AC100 ~ 240V, 47 ~ 63Hz	50,000	A+B	TP-BUS connector, connector cover, screw(M4 M8) 2 pcs	1 month	B2
Power Electronics	UKK-6118	DC V-A Regulator	KIKUSUI	PAS160-4	Display : Digital, Output voltage : 0 ~ 160V, Output current : 0 ~ 4A, Input voltage : Single phase 85 ~ 250V	100,000	A+B		1 month	B2
Power Electronics	UKK-5979	DC V-A Regulator	KIKUSUI	PAS40-9	Switching system, 0 ~ 40V, 0 ~ 9A, Input : AC100 ~ 240V, 47 ~ 63Hz, Display : Digital, with Over voltage · Over current · Overheating protector	40,000	C		1 month	B2
Power Electronics	UKK-4905	DC V-A Regulator	KIKUSUI	PAS60-18	Display : Digital, 0 ~ 60V, 0 ~ 18A, Input : AC100 ~ 240V, 47 ~ 63Hz	120,000	A+B	TP-BUS connector, connector cover, screw(M4 M8)	1 month	B2
Power Electronics	UKK-4908	DC V-A Regulator	KIKUSUI	PAS60-18	Display : Digital, 0 ~ 60V, 0 ~ 18A, Input : AC100 ~ 240V, 47 ~ 63Hz	120,000	A+B	TP-BUS connector, connector cover, screw(M4 M8)	1 month	B2
Power Electronics	UKK-5862	DC V-A Regulator	KIKUSUI	PAT160-50T	Power rating : 8kW, Output voltage : 0 ~ 160V, Output current : 0 ~ 50A, Input voltage : AC200 ~ 240V(Three phase) I/F : RS232C	450,000	C		1 month	B2
Power Electronics	UKK-6045	DC V-A Regulator	KIKUSUI	PAT650-12.3T	Retaed Voltage : 0V ~ 650V, Rated Current : 0A ~ 12.3A	450,000	A+B	power cable	7 days	B2
Power Electronics	UKK-1933	Bipolar Power supply	KIKUSUI	PBX20-10	0 ~ ±20V, 0 ~ ±10A, Input voltage : 100V, High speed sequence, Measurment display, Power boodter, Analog/remote contorol, Protection, Low ripple, Low noise, Size/weight : 450W×147H×610D(mm) / 30kg	220,000	C		1 month	B2
Power Electronics	TK29-0699	DC V-A Regulator	KIKUSUI	PCR2000	Output voltage/capacity : 1 ~ 140V, 2 ~ 280V (Output : 100V/200V range)/2KVA, 5 ~ 500Hz, Input : 100V/200V	250,000	C		1 month	B1

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Power Electronics	TO32-6097	DC V-A Regulator	KIKUSUI	PCR2000LA	Output voltage/capacity : Single phase 1 ~ 150V/2 ~ 300V(Output 100V/200V range)/2KVA, 1 ~ 999.9Hz, Input rating : Single phase 85 ~ 132V 48A/170 ~ 250V 24A, * No connecting with PCR2000L.. Input : 100V/200V range selecting by switch	580,000	B		1 month	B1
Power Electronics	TO32-6096	DC V-A Regulator	KIKUSUI	PCR2000LA	Output voltage/capacity : Single phase 1 ~ 150V/2 ~ 300V(Output 100V/200V range)/2KVA, 1 ~ 999.9Hz, Input rating : Single phase 85 ~ 132V 48A/170 ~ 250V 24A, * No connecting with PCR2000L.. Input : 100V/200V range selecting by switch	580,000	B		1 month	B1
Power Electronics	UKK-5824	AC Electric Load	KIKUSUI	PGZ1000A	1000W,140/280V (rms) ,0A/10A(rms),45Hz ~ 65Hz	320,000	B	power cable	1 month	B2
Power Electronics	THC-144	Parallel operating driver	KIKUSUI	PD02S-PCRL	For PCRXXXXL (Slave)	20,000	A+B		7 days	B3
Power Electronics	TK19-0118	Parallel operating driver	KIKUSUI	PD03M-PCR-LA	For P C R - L A series (Master)	12,000	B		7 days	B3
Power Electronics	TK19-0120	Parallel operating driver	KIKUSUI	PD03S-PCR-L	For PCR2000L(Slave)	12,000	A+B		7 days	B3
Power Electronics	TK19-0119	Parallel operating driver	KIKUSUI	PD03S-PCR-L	For PCR2000L(Slave)	12,000	A+B		7 days	B3
Power Electronics	TOK-2245	Electric Load	KIKUSUI	PLZ1003WH	Operating voltage : DC5 ~ 500V, Input current : Max. DC50A, Input power : Max. 1000W, Operating mode : Constant current	350,000	A+B		1 month	B1
Power Electronics	UKK-4380	Electric Load	KIKUSUI	PLZ1004W	Multi function electric load device ; Operating voltage : DC1.5 ~ 150V, Input current : Max. DC200A, Input power : Max. 1000W, Constant current mode : DC0 ~ 200A, Constant resistance mode : 7.5m ~ 41.25K Ω , Constant voltage mode : 1.5 ~ 150V, Constant power mod	300,000	A+B	screw* x2, connector cover	1 month	B1
Power Electronics	UKK-5760	Electric loader	KIKUSUI	PLZ152W	Load input : input voltage (DC4 ~ 110V), input current(0 ~ 30A), Allowable power(150W), Constant current : 0 ~ 3/0 ~ 30A, Constant resistance mode : 0.1 ~ 10	60,000	C		1 month	B2
Power Electronics	UKK-5829	Electric Load	KIKUSUI	PLZ5004WH SR	PLZ-4W SR series (Big capacitance model, assembled PLZ1004WH & booster with exclusive rack parts PLZ1004WH Operating voltage : 5 ~ 650V, Current : 250A, Power : 5kW, Input voltage : AC100 ~ 240V(Single phase)	1,000,000	A+B		1 month	B2
Power Electronics	UKK-5964	DC V-A Regulator	KIKUSUI	PMC110-0.6A	Transformer system, Display : Digital (volatge and current at the same time), Input : AC100V, Output voltage/current 0 ~ 110V/0 ~ 0.6A, Adjustment of constant current, Remote operating, Ripple, Noise : 2mV or below, Load fluctuation : 7mV or below	28,000	C		1 month	B2
Power Electronics	Y0753	DC V-A Regulator	KIKUSUI	PMC18-5A	Display : Digital(Indicating voltage & current at the same time), Input voltage : AC100V, Output voltage/current : 0 ~ 18V/0 ~ 5A, Constant current regulating, Remote control, Ripple, Noise : 0.5mV or under, Load fluctuation : 5mV or under	27,000	A+B	control connector	6 months	R1
Power Electronics	UKK-6296	DC V-A Regulator	KIKUSUI	PMM18-2.5DU	Display : Digital, Dropper system, 2ch output power, Output 1 : 0 ~ +18V/+2.5A, Output 2 : 0 ~ -18V/-2.5A	35,000	B	power cable	1 month	B2
Power Electronics	UKK-4131	DC V-A Regulator	KIKUSUI	PMM25-1TR	Display : Digital, Dual tracking control, Output : 0 ~ \pm 25V/0 ~ \pm 1A, Current limit : (\pm)1.05A, Ripple : 0.5mV or under, Load fluctuation : 2mV or under, Output : 0 ~ 6V/0 ~ 5A, Current limit : 5.25A, Ripple : 0.5mV or under, Load fluctuation : 5mV or under	40,000	C		1 month	B2
Power Electronics	TR2463	DC V-A Regulator	KIKUSUI	PVD600-10T	Display : Digital(Indicating voltage & current at the same time), Big capacitance variable switching spower Input volatge : 3 phase 200V system (AC:190 ~ 242V /47 ~ 63Hz) , Output voltage/current : 0 ~ 600V/0 ~ 10A, Power : 6000W, Load fluctuation : 155mV or under	467,000	B		6 months	R1
Power Electronics	UKK-3713	DC V-A Regulator	KIKUSUI	PVS300-9	Display : Digital, Output : 0 ~ 300V, 0 ~ 9A, Input : AC190 ~ 264V single phase, Overvoltage/overcurrent protection, Remote sensing function	160,000	B		1 month	B1

Category	Product CD	Product name	Mnufacture	Model	Specification	Selling price (Net JPY)	Accessory (*1)	Option	Warranty period(*2)	Rank code(*3)
Power Electronics	UKK-6330	Dielectric Test equipment	KIKUSUI	TOS5101	AC/DC dielectric voltage test equipment, Display : Analog/digital, 0 ~ 5kV/0 ~ 10kV, AC:500VA, DC:50W, Leakage current : Max AC0.1 ~ 55mA/DC0.1 ~ 5.5mA, Min.AC0.1 ~ 55mA/DC0.1 ~ 5.5mA, Size : 435W×195H×450Dmm, Weight : Approx 21kg	220,000	A+B		1 month	B1
Power Electronics	4TG-5400	Low resistance tester (Earth continuity tester)	KIKUSUI	TOS6200	Testing current : AC3.0A ~ 30.0A, Output current : AC 0.0 ~ 33.0A, Output voltage : AC 0.00 ~ 6.00V, Resistance : 0.001 ~ 1.200Ω, Power : Max.150VA, Test-time setting range : 0.3 ~ 999S, Memory function : 100 waves, Judging result function, GP-IB, RS-232C	120,000	A+B		1 month	B1
Power Electronics	UKK-3970	Dielectric and insulation tester	KIKUSUI	TOS9000	Automatic dielectric strength test equipment, Dielectric voltage : AC0.2 ~ 5KV(output 200VA), Insulation : DC50 ~ 1000V, Measuring range : 1 ~ 9999MΩ, Size : 430W×214H×370Dmm, Weight : Approx 29kg	140,000	C		1 month	B1
Power Electronics	UKK-4819	Dielectric and insulation tester	KIKUSUI	TOS9213S	DC Dielectric voltage test : DC0.05kV ~ 10.0kV, Rated current : Max. 5mA, Insulation resistance testing voltage : DC-25V ~ -1000V/0.01MΩ ~ 9.99GΩ (Range 1mA ~ 50nA)	300,000	A+B	TL01-TOSTL03-TOS, junper	1 month	B1
Power Electronics	UKK-5832	Dielectric Test equipment	Keisoku-Giken	7470/763	Ultra-high voltage AC dielectric test equipment Output capacitance : 10kVAC/20mA, Output wave form : Sinusoida wave, THD, <2%(Resistance load), Crest factor =1.3-1.5	200,000	A+B	Opt.763 : USB & RS232C	1 month	B2
Power Electronics	UKK-4311	AC V-A Regulator	Keisoku-Giken	EAB-160	At 0-150 : 55.2A, At 0-300V : 27.6A, 40-1000Hz, 6kVA	700,000	A	USB cable, master—slave cable, device	1 month	B1
Power Electronics	UKK-5830	Electric Load	Keisoku-Giken	LN-1000C-G6	Rated load : 500V, 36A, 1kW, Load mode : Rated current, Rated resistance, Rated voltage, Rated power, Eeternal control, Dynamic, short, Sequence, Sweep	220,000	A+B	LX-OP01(GP-IB/DIDO)	1 month	B2
Power Electronics	UKK-5858	Electric Load	Keisoku-Giken	LN-1000C-G7	Power : 1kW, Voltage : 0 ~ 500V, Current : 0 ~ 36A, Booster connection : Max. 10kW, Upto 10 device(Required opLX-OP03:Master/slave connecting cable, I/F:USB, GP-IB(opLX-OP01), Power : AC85 ~ 264V opLX-OP01: GP-IB/DIDO interface	250,000	A+B	LX-OP01 : GPIB/DIDO	1 month	B2
Power Electronics	UKK-5811	Ripple Noisemeter	Keisoku-Giken	RM-103	DC voltage measuring range : ±6.0000V(0.1mV) / ±60.000V(1mV)/ ±500.00V(10mV), Ripple noise : 300.0mVp-p(0.1mV)/3000.0mV p-p(1.0mV), Nominal bandwidth : 100MHz, Input impedance : DC 1 MΩ· High Frequency : 50Q, GPIB, Automatic setting function of ripple noise	100,000	A+B		1 month	B2
Power Electronics	UKK-5817	DC V-A Regulator	Keisoku-Giken	WS-1080A	Switching system, Wide range single output DC power, Rated voltage : 30V, Rated current : 108A, Rated power : 1080W, Rated input : 100V ~ 240V 50/60Hz, Single phase	100,000	A+B		1 month	B2
Power Electronics	UKK-5850	AC V-A Regulator	Takasago	AA2000XG2	AC output Lo range : 0V ~ 150V/20A, Hi range : 0 ~ 300V/10A, Output frequency : 0.01Hz ~ 1200.0Hz, DC output : DC±200V/18A, Hi range : DC±400V/9A, AC power input : 90V ~ 200V	400,000	A+B	Op.AOP-110CC2,ZA-0882,accessory:oprati on palen,controller extension cable	7 days	B2
Power Electronics	UKK-4028	DC V-A Regulator	Takasago	EX-1500H2	Display : Digital, Output voltage range : 0 ~ 240V, Output current range : 0 ~ 25A, (At 240V : Max.6.25A, At 60V : Max.25A), Input : 85V ~ 264V1φ, Output power : Max 1500W	160,000	C		1 month	B2
Power Electronics	UKK-5819	DC V-A Regulator	Takasago	HV1.0-10	Output voltage/current : 00V/0 ~ 1000mA, Input power : AC100V, Single phase : 50/60Hz, Display : Analog	300,000	B	Power cable	1 month	B2
Power Electronics	TOK-2601	DC V-A Regulator	Takasago	HX0300-50	Display : Digital, 0 ~ 300V, 0 ~ 50A, Input : AC180V ~ 220 V 3 phase, Overvoltage/overheat protection	300,000	A+B		7 days	B2
Power Electronics	UKK-6251	Portable Power Supply	Takasago	PP2502A	AC/Single phase 100V(Sinusoida wave)250W, Possible to use Max. 6 device in parallel, Max. 1100W at continuous electricity supply mode, Max.1500W at portable power mode, DC5V, Max.500mA/1port	40,000	A+B		7 days	B2
Power Electronics	TOK-2201	GPIB/RS232C Programer	Takasago	TC911B	For EX, UX series. Possible to connect Max. 1 6 device. *Required EX12DB.	30,000	A+B	front cover cracked	7 days	B3
Power Electronics	TK27-0383	HF Power supply	Tokyo Seiden	CVHF1-1K	Single phase AC200V±10%,47 ~ 63Hz, Voltage range : 0 ~ 1000V, Voltage stability : ± 5 %, Output frequency : KHz ~ 10kHz, Size : 430(W)×220(H)×405(D)mm, Weight : Approx 39kg	150,000	C		1 month	B1

Category	Product CD	Product name	Mnufacture	Model	Specification	Selling price (Net JPY)	Accessory (*1)	Option	Warranty period(*2)	Rank code(*3)
Power Electronics	UKK-6064	Wire conduction test equipment	HIOKI	3157	Basic measurement function : AC 4 terminal low resistance measurement, Generating current system : PWM Low current control , Setting current range : AC3.0A ~ 31.0A, Generaing frequency : 50/60Hz sinusoida wave, Resistance measuring range : 0 ~ 1.800Ω (0.001Ω)	90,000	A+B	9593-02,9296×2	1 month	B2
Power Electronics	KA1137	Dielectric Test equipment	HIOKI	3158	Display : Digital, Testing voltage : AC0 ~ 2.5kV/5kV, Current detection : 0.01 ~ 120mA, Testing time : by hand operation or timer (0.5 ~ 999sec), RS-232C	55,000	A		6 months	R2
Power Electronics	UKK-0870	Power quality Analyzer	HIOKI	3196	Input 1ch with 1 line out of Single phase 2 line/3 line, Three-phase 3 line/4 line. Voltage range : ch1 ~ ch3 ; AC 150/300/600V, 4 ch; AC 60/150/300/600V, DC ±60/600V peak, Current range : Various range by using clamp-on sensor	200,000	A+B	9438X1pc、9339X1pc、9660X3pcs	1 month	B1
Power Electronics	TR2910	Power quality Analyzer	HIOKI	3196	Input 1ch with 1 line out of Single phase 2 line, 3 line, Three-phase 3 line range & Three-phase 4 line. Voltage range : ch1 ~ ch3 ; AC 150/300/600V, ch4; AC 60/150/300/600V, DC ±60/600V peak, Current range : Various range by using clamp-on sensor	160,000	A+B	9264-01(Connection adaptor), Case	6 months	R2
Power Electronics	TR2911	Power quality Analyzer	HIOKI	3196	Input 1ch with 1 line out of Single phase 2 line, 3 line, Three-phase 3 line range & Three-phase 4 line. Voltage range : ch1 ~ ch3 ; AC 150/300/600V, ch4; AC 60/150/300/600V, DC ±60/600V peak, Current range : Various range by using clamp-on sensor	160,000	A+B	9264-01(Connection adaptor), Case	6 months	R2
Power Electronics	UKK-3913	Power quality Analyzer	HIOKI	3196	Input 1ch with 1 line out of Single phase 2 line, 3 line, Three-phase 3 line range & Three-phase 4 line. Voltage range : ch1 ~ ch3 ; AC 150/300/600V, ch4; AC 60/150/300/600V, DC ±60/600V peak, Current range : Various range by using clamp-on sensor	200,000	A+B	9438×8	1 month	B1
Power Electronics	UKK-4292	Power line monitor	HIOKI	3351	Single phase 2 line/Single phase 3 line/Three-phase 3 line(50/60Hz), Voltage 2ch(1 circuit)/Current 12ch, Measurement : Leakage current/Main load current/Branch load current/Power supply quality	100,000	A+B	need clamp sensor oprion for current measurement	1 month	B2
Power Electronics	UKK-3106	Clip lead with thermo sensor	HIOKI	9460	Connector for 3554. Length : Approx. 1.7m, Length : Approx.25cm between 2 way- probe. Clip size : Max. Approx. φ15mm in diameter	5,000	N		None	B2
Power Electronics	UKK-3105	Clip lead with thermo sensor	HIOKI	9460	Connector for 3554. Length : Approx. 1.7m, Length : Approx.25cm between 2 way- probe. Clip size : Max. Approx. φ15mm in diameter	5,000	N		None	B2
Power Electronics	UKK-3107	Clip lead with thermo sensor	HIOKI	9460	Connector for 3554. Length : Approx. 1.7m, Length : Approx.25cm between 2 way- probe. Clip size : Max. Approx. φ15mm in diameter	5,000	N		None	B2
Power Electronics	TR2831	Power line monitor	HIOKI	3351-SET	Voltage : 1 circuit, Current : 12ch, Current measurement : by Clamp sensor, RMS value fluctuation, Peak value, Wave form comparison, Total distortion ratio Interface : PC card RS232C	73,000	A+B	9438-04,9745,9720-01	7 days	R2
Power Electronics	UKK-5864	Battery HI-tester	HIOKI	BT3563	Measuring items : Voltage, Resistance Measuring system : AC 4 terminal(1kHz), Voltage range : DC6 ~ 300V(3 switch), Resistance range : 3mΩ ~ 3000Ω(7 switch) I/F:RS-232C Power : AC100 ~ 240V	130,000	A+B	9454/L2100, accessory kit	1 month	B2
Power Electronics	UKK-6539	Batter pack	HIOKI	Z1007	For LR8410・ LR8416・ LR8510・ LR8511	5,000	N		1 month	B1
Power Electronics	UKK-6540	Batter pack	HIOKI	Z1007	For LR8410・ LR8416・ LR8510・ LR8511	5,000	N		7 days	B2
Power Electronics	UKK-6541	Batter pack	HIOKI	Z1007	For LR8410・ LR8416・ LR8510・ LR8511	5,000	N		7 days	B2
Power Electronics	UKK-6442	Tripod	Microwave Factory	MMA201	Height : 85 ~ 205cm Breaking load : 20kg Interface : 1/4 inch screw	50,000	A	Tripod attachment,30Φ.25Φ.22Φ.18Φ	None	B3
Power Electronics	UKK-6538	Batter pack	HIOKI	Z1007	For LR8410・ LR8416・ LR8510・ LR8511	5,000	N		7 days	B2
Power Electronics	UKK-6440	UHF Antenna	YAGI ANTENNA	U-W19	Device : 14, Frequency : 13 ~ 62ch, Output Impedance : 75Ω, Connecting terminal : BNC-J	40,000	A	BNC cable, antenna pole case	7 days	B3
RF/EMI equipments	TO32-6015	EMC・EMI Antenna	ANRITSU	2000-1031	For Site master, Frequency range : 1.85 - 1.99GHz, Z in=50Ω, Connector : SMA(plug)	8,000	N		None	B3

Category	Product CD	Product name	Mnufacture	Model	Specification	Selling price (Net JPY)	Accessory (*1)	Option	Warranty period(*2)	Rank code(*3)
RF/EMI equipments	TO32-6017	EMC·EMI Antenna	ANRITSU	2000-1031	For Site master, Frequency range : 1.85 - 1.99GHz, Z in=50Ω, Connector : SMA(plug)	8,000	N		None	B3
RF/EMI equipments	TO32-6018	EMC·EMI Antenna	ANRITSU	2000-1031	For Site master, Frequency range : 1.85 - 1.99GHz, Z in=50Ω, Connector : SMA(plug)	8,000	N		None	B3
RF/EMI equipments	THC-353	EMC·EMI Antenna	ANRITSU	MA5612A3	Antenna system : Half wavelength dipole, Frequency range : 1.4 ~ 1.55 GHz, Z in=50Ω, VSWR : 2 or under, Gain : 2dBi, Connector : SMA-J	20,000	N		None	B3
RF/EMI equipments	TM421	Sight Master	ANRITSU	S331D	Frequency range : 25 ~ 4000MHz, Frequency resolution : 100kHz, VSWR measuring range : 1.00 ~ 65.00, 50Ω, OP3 : Color LCD, *Remark : a stain on the liquid crystal display	300,000	A+B	No CD(software), OSLNF50-1, OSLN50-1, 34NN50A, 34NENE50	7 days	R2
RF/EMI equipments	UKK-6614	Sight Master	ANRITSU	S331E	Cable· Antenna Analyzer : 2MHz ~ 4GHz, Return loss, VSWR, Cable loss, DTF(Distance To Fault), Smith chart, 1port Phase angle	650,000	A+B	-0031(GPS Receiver)	1 month	B2
RF/EMI equipments	UKK-6613	Sight Master	ANRITSU	S331E	Cable· Antenna Analyzer : 2MHz ~ 4GHz, Return loss, VSWR, Cable loss, DTF(Distance To Fault), Smith chart, 1port Phase angle	580,000	A+B	-0019(Connectable with high accuracy power meter)	1 month	B2
RF/EMI equipments	TO32-5822	Sight Master	ANRITSU	S820C	Frequency range : 3.3GHz ~ 20GHz, VSWR measuring range : 1.00 ~ 65.00, 50Ω	700,000	A+B	accessory locatted at back vard	1 month	B1
Radio wave·EMI measuring instrument	UKK-6441	Loop antenna	Microwave Factory	MLP-K102M30P	Frequency : 100kHz ~ 30MHz Connector : N(receipt) 50Ω Power peak : 1W	150,000	A+B	case	7 days	B2
Radio wave·EMI measuring instrument	UKK-6376	EMI measuring instrument	KYOURITU	KNM-2402	Measuring range input terminal voltage : 9kHz ~ 149.9kHz/-15 ~ 110dB, 0.15 ~ 30MHz/Typ.-15 ~ 110dB, Electric field intensity : 15 ~ 110dB+aerial wire coefficient, Max. 130dB, Input impedance : 50Ω, N type, VSWR1.5 or below	300,000	C		1 month	B2
Signal Generator	Y0810	Function Generator	Agilent	33250A	1μHz ~ 80MHz(Sine· Square), Sine· Square· Ramp· Burst· Noise· Sin(x)/x· Quick up· quick down· Reversed ramp· Cardiac· DC volt	240,000	A+B		6 months	R1
Signal Generator	UKK-6486	Synthsizer/Level Generator	Agilent	3335A	Range : 200Hz ~ 81MHz, Resolution : 0.001Hz, Amplitude : Range50Ω /+13.01 ~ -86.98dBm, Range75Ω/+11.25 ~ -88.74dBm, Resolution : 0.01dB	50,000	C		7 days	B2
Signal Generator	UKK-4368	Pulse Generator	Agilent	81110A	1mHz ~ 165MHz, Timing resolution: 3.5digit·5steps, Amplitude:100mVpp ~ 20Vpp(open), Pulse time:2ns ~ 200ms, Pulse width:3.03ns ~	340,000	C	81111A	1 month	B1
Oscillator·Signal generator	UKK-4936	Function/Pulse generator	Agilent	8116A	1mHz ~ 50MHz, Resolution 3 digits, Max. output : 2Vp-p(open), Pulse width : 10.0ns ~ 999ms, Start· Finish <6ns, External trigger modulation function gate burst sweep AM FM PWM etc) with with HP-IB	70,000	C	OPT:001	1 month	B2
Signal Generator	4G-0701	Function Generator	Agilent	8118A	Pattern format : RZ-Max. 50M bit, NRZ-Max. 100M bit	180,000	N		7 days	R2
Signal Generator	4G-0700	Function Generator	Agilent	8118A	Pattern format : RZ-Max. 50M bit, NRZ-Max. 100M bit	170,000	N		None	R2
Signal Generator	4G-0945	Standard Signal Generator	Agilent	8648C	Frequency range : 9kHz ~ 3200MHz, Output level : -136 ~ +13dBm(≦ 2.5GHz), -136 ~ +10dB(≦3.2GHz), < ±0.1ppm/year or < ±0.0005ppm/day	200,000	C		1 month	B2
Signal Generator	KA1064	Standard Signal Generator	Agilent	8648C	100kHz ~ 3200MHz, Aging rate , Output +10/+13 ~ -136dBm	200,000	C	1EA(high power)	6 months	R2
Signal Generator	4G-0944	Standard Signal Generator	Agilent	8648C	Frequency range : 9kHz ~ 3200MHz, Output level : -136 ~ +13dBm(≦ 2.5GHz), -136 ~ +10dB(≦3.2GHz), < ±0.1ppm/year or < ±0.0005ppm/day	180,000	C		1 month	B2
Signal Generator	Y0773	Standard Signal Generator	Agilent	E4428C	Frequency :250kHz ~ 3GHz(Op503), Output power -136 ~ +13dBm(250MHz ~ 1GHz)	1,350,000	B	503	6 months	R1
Signal Generator	4G-0949	Standard Signal Generator	Agilent	E4432B	Frequency : 250kHz ~ 3000MHz, UND : Inner optional wave form generator, 1E5 : High stable time base, 100· 101· UN5	250,000	B	Power cord, OP:100, 101, 1E5, H99, UN5,	1 month	B2
Signal Generator	UKK-3929	Standard Signal Generator	Agilent	E4438C	Frequency :250kHz ~ 6GHz, Resolution :0.01 Hz, Output :+17dBm, 001: Internal base band· Generator ,8M sampling wave, 406:Bluetooth Signal Studio,410:802.11a RF LAN Signal Studio,506: Frequency range 250 kHz ~ 6 GHz UNJ: Super low phase noise	1,800,000	C	001, 406, 410, 506, UNJ	1 month	B1

Category	Product CD	Product name	Mnufacture	Model	Specification	Selling price (Net JPY)	Accessory (*1)	Option	Warranty period(*2)	Rank code(*3)
Signal Generator	UKK-3751	Standard Signal Generator	Agilent	E4438C	Frequency: 250kHz ~ 1,2,3,4,6GHz, Resolution: 0.01 Hz, Output: +17dBm	1,600,000	B	OP:005,403,404,503,601,UNJ	1 month	B1
Signal Generator	UKK-4267	Standard Signal Generator	Agilent	E4438C	Frequency :250kHz ~ 3GHz, Resolution :0.01Hz, Output :+17dBm,005:6GHDD,400:3GPPW-CDMAFFD, Calibrated noise 503:3GHz 602: UNB mechanical attenuator UNJ:Phase noise	1,200,000	B	005,400,403,503,602,U K6,UN7,UNB,UNJ、connector broken(BER)	1 month	B1
Signal Generator	UKK-4138	MXG Vector Generator	Agilent	N5182A	100MHz ~ 3GHz, >+23dBm	1,000,000	B	019、403、503、652、UNV、UNZ、N7615-3FP、N7615-EFP、N7615	1 month	B1
Signal Generator	UKK-4265	Modulation Generator	ANRITSU	MG3681A	3 G P P coresponding digital modulation signal generator Frequency : 250KHz ~ 3GHz . Level : -143 ~ +13dBm / 0.01 Resolution	100,000	A+B	02,11,CD software	1 month	B1
Oscillator· Signal generator	UKK-6339	Signal generator	ANRITSU	MG3700A	Vector signal generator : 250kHz ~ 6GHz, Resolution : 0.01Hz, Aging rate : ± 1 × 1 0 -7/year, -140 ~ +13dBm (0.01Hz resolution) , 5 0 Ω , N type, 2GB memory 40GBFDD 100BSE-TX IAN GP-IB I/F	380,000	A+B	OPT:002,011,021,LAN cable,memory card	1 month	B2
Signal Generator	TR2331	Function Generator	NF	1732	0.1μ ~ 100kHz, Output 0 ~ 20VP-P, Signal generator: 12bit×2048, with GP-IB	139,000	A+B		7 days	R2
Oscillator· Signal generator	UKK-6004	Function Synthesizer	NF	WF1944B	2ch, Standard function type, Frequency range : 0.01μHz ~ 15MHz z , Inner 7 waves· Arbitrary waveform, Output voltage : 20Vp-p, Memory number of arbitrary waveform : 12 GPIB	90,000	C		1 month	B2
Oscillator· Signal generator	UKK-6009	Function Synthesizer	NF	WF1944B	2ch, Standard function type, Frequency range : 0.01μHz ~ 15MHz z , Inner 7 waves· Arbitrary waveform, Output voltage : 20Vp-p, Memory number of arbitrary waveform : 12 GPIB	90,000	C		1 month	B2
Signal Generator	UKK-3687	RF Signal Generator	Keithley	2910	Frequency band 400MHz ~ 2.5GHz, Wave form format : Digital signal (GSM/GPRS/EDGE,cdmaOne/cdma2000 1xRTT,WCDMA) Analog signal(AM,FM,Φ M, Noise, Two-tone CW, Pulse), Internal modulation range : Max. 40MHz External I/Q signal modulation range : Max. 200MHz	200,000	C		1 month	B1
Signal Generator	UKK-5042	LF Oscillator	Shinasoku	AG15C	5 ~ 100.9kHz, 3digit4range, Harmonic wave distortion rate : - 120dB(0.0001%) or over (at under 10 ~ 10kHz) , Output voltage : Max.10Vrms (at no load) , GP-IB, Size : W426×H99×D360mm, Weight : Approx 8.6kg	120,000	C		1 month	B2
Signal Generator	UKK-4111	Arbitrary Function Generator	Tektronix	AWG2005	Max.clock : 20MHz, Vertical resolution : 12bit, Wave form memory : 64K word/ch, Wave form file memory : 2M bite, RS-232C	100,000	C	op-05: clock sweep function	1 month	B1
Signal Generator	TM383	Arbitrary Function Generator	Tektronix	AWG2021	12bit , 256Kword/ch, Max.clock : 250MHz, Output : 50mV ~ 5Vp-p, 2ch, 7CRT3.5"FDD, GP-IB/RS232C, Op.02 (2ch output)	200,000	C	Op . 02	7 days	R2
Oscillator· Signal generator	UKK-5943	Voluntary wave generator	Tektronix	AWG2021	12bit, 256Kword/ch, Max.clock : 250MHz, Output : 50mV ~ 5Vp-p, 2ch, 7CRT3.5"FDD, GP-IB/RS232C, Op.02 (2ch output)	180,000	B	OPT:OP-02、 Englishu manual	1 month	B2
Signal Generator	TM413	Arbitrary Function Generator	Tektronix	AWG2041	1ch output, Max.clock : 1GHz, Vertical resolution : 8bit, Wave form memory : 4M word/ch, Wave form file memory : 5M bite, GP-IB/RS-232C I/F	100,000	C		7 days	R2
Signal Generator	UKK-1069	DARC Encoder	Panasonic Mobail	VP-7663A	DARC(multiple FM) encoder, Output level : 0 ~ 0.999/0.001Vp-p, 1 ~ 9.99/0.01Vp-p, Generate L-MSK signal for each DARC, RS-232C I/F, GP-IB, Not installed deda edeitor soft	30,000	C		7 days	B2
Signal Generator	UKK-4099	Standard Signal Generator	Rohde & Schwarz	SMIQ03B	300kHz ~ 3.3GHz, TDMA, CDMA, Analog/digital modulation, I/Q Modulator in wide band , SM-B1:REFERENCE-OSC-OCXO, SMIQB20:Modulation coder_SMIQB11>Data generator	350,000	B	SM-B、,SMIQB20、SMIQB11	1 month	B1
Signal Generator	UKK-4220	Standard Signal Generator	KIKUSUI	KSG4310	Built-in FM stereo generator · AM stereo generator, Frequency range : 10kHz ~ 280MHz, Resolution : 10Hz, Accuracy : ±2×10-6, Output level : - 133dBm ~ + 19dBm(50Ω), Internal modulation frequency : 50Hz ~ 15kHz, GPIB Size : 430W×99H×380Dmm Weight : Approx 10kg	160,000	A+B	BNC cable	1 month	B1

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Contact information

TEL (81) 3-3255-8026 FAX : (81) 3-3255-8057

e-mail : used_tandm_net@keisokuki-land.co.jp

TOYO KEISOKUKI CO., LTD

HEAD OFFICE

1-3-12 Sotokanda, chiyoda-ku,

Tokyo101-0021, Japan

URL: <http://www.keisokuki-land.co.jp>

Column note

Accessory (*1)
A : StandardAccessory
B : Instruction manual
C : Power cable
N : None

calibration (*2)
R1 : already calibrated
R2,B1 : Extra charge
B2,B3 : Out of service