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QUALITY & SUPPORT THAT YOU CAN RELY ON

Test and Measuring Instruments
Shortform Catalogue 2022-2023

Japan QUALITY

MULTIMETERS

	Analogue Multimeters		Digital Multimeters			
Model	1109S	1110	1019R	1030	2000A/2001A	2012RA
Appearance		CE	TRUE RMS CE	CE	2000A Ø6 2001A Ø10 CE	Ø12 TRUE RMS CE
DC V	0.1 - 1000V	0.3 - 600V	600mV - 600V	400mV - 600V	340mV - 600V	600mV - 600V
AC V	10 - 1000V	12 - 600V	6 - 600V	4 - 600V	3.4 - 600V	6 - 600V
DC A	50μA - 250mA	60μA - 300mA	-	-	60A(2000A) 100A(2001A)	60/120A
AC A	-	-	-	-	60A(2000A) 100A(2001A)	60/120A
Resistance	✓	✓	✓	✓	✓	✓
Continuity buzzer	-	✓	✓	✓	✓	✓
Capacitance	-	-	✓	✓	-	✓
Frequency	-	-	-	✓	✓	✓
Back light	-	-	-	✓	-	-
Logging memory	-	-	-	-	-	-
Measurement categories	-	CAT Ⅲ 300V CAT Ⅱ 600V	CAT Ⅲ 300V CAT Ⅱ 600V	CAT Ⅲ 600V	CAT Ⅲ 300V CAT Ⅱ 600V	CAT Ⅲ 300V CAT Ⅱ 600V
Power source	R6x2/6F22x1	R6/LR6x2	CR2032x1	LR44x2	R03/LR03x2	R03/LR03x2
Dimensions (L)x(W)x(D)	150x100x47mm	140x94x39mm	126x85x18mm	190x39x31mm	128x87x24mm(2000A) 128x92x27mm(2001A)	128x92x27mm
Weight (Approx.)	330g	280g	135g	100g	210g(2000A) 220g(2001A)	220g

MULTIMETERS

	Digital Multimeters					
Model	1009	1011/1012	1020R	1021R	1051/1052	1061/1062
Appearance	CE	1012 TRUE RMS CE	TRUE RMS CE	TRUE RMS CE	TRUE RMS CE	1062 PEAK HOLD TRUE RMS CE
DC V	400mV - 600V	600mV - 600V	600mV - 1000V	600mV - 600V	600mV - 1000V	50mV - 1000V
AC V	400mV - 600V	6 - 600V	600mV - 1000V	600mV - 600V	600mV - 1000V	50mV - 1000V
DC A	400μA - 10A	600μA - 10A	-	6A - 10A	600μA - 10A	500μA - 10A
AC A	400μA - 10A	600μA - 10A	-	6A - 10A	600μA - 10A	500μA - 10A
Resistance	✓	✓	✓	✓	✓	✓
Continuity buzzer	✓	✓	✓	✓	✓	✓
Capacitance	✓	✓	✓	✓	✓	✓
Frequency	✓	✓	✓	✓	✓	✓
Back light	-	-	✓	✓	✓	✓
Logging memory	-	-	-	-	✓ (1052)	✓
Measurement categories	CAT Ⅲ 300V	CAT Ⅲ 300V CAT Ⅱ 600V	CAT Ⅳ 300V CAT Ⅲ 600V CAT Ⅱ 1000V	CAT Ⅳ 300V CAT Ⅲ 600V	CAT Ⅳ 600V CAT Ⅲ 1000V	CAT Ⅳ 600V CAT Ⅲ 1000V
Power source	R6/LR6x2	R6/LR6x2	R03/LR03x2	R03/LR03x2	R6/LR6x4	R6/LR6x4
Dimensions (L)x(W)x(D)	161x82x50mm	161x82x50mm	155x75x40mm	155x75x40mm	192x90x49mm	192x90x49mm
Weight (Approx.)	280g	280g	250g	250g	560g	560g

LEAKAGE CLAMP METERS

	Leakage Clamp Meters				
Model	2431	2432	2433/2433R	2434	2413F/2413R
Appearance	CE	CE	2433R TRUE RMS CE	CE	2413R TRUE RMS CE
Conductor size(MAX.)	ϕ24mm	ϕ40mm	ϕ40mm	ϕ28mm	ϕ68mm
Frequency response	40 - 400Hz	20Hz - 1kHz	20Hz - 1kHz	40 - 400Hz	40Hz - 1kHz
AC A	20mA - 200A	4mA - 100A	40mA - 400A	400mA - 100A	200mA - 1000A
AC V	-	-	-	-	-
Resistance	-	-	-	-	-
Back light	-	-	-	-	✓ (2413R)
Peak hold	-	✓	✓	-	✓
Frequency filter	✓	✓	✓	✓	✓
Measurement categories	CAT Ⅲ 300V	CAT Ⅲ 300V	CAT Ⅲ 300V	CAT Ⅲ 300V	CAT Ⅲ 300V
Power source	LR-44x2	R03/LR03x2	R03/LR03x2	R03/LR03x2	6F22x1
Dimensions (L)x(W)x(D)	149x60x26mm	185x81x32mm	185x81x32mm	169x75x40mm	250x130x50mm
Weight (Approx.)	120g	290g	270g	220g	570g (2413F) 600g (2413R)

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CLAMP METERS

	AC Clamp Meters								
Model	2031	2007R	2117R	2127R	2200 2200R	2002PA 2002R	2608A	2204R	2210R
Appearance									
Conductor size (MAX.)	φ24mm	φ33mm	φ33mm	φ33mm	φ33mm	φ55mm	φ33mm	φ70mm	φ150mm
Frequency response	40Hz - 1kHz	40 - 400Hz	40Hz - 1kHz	40Hz - 1kHz	40Hz - 1kHz(AC A)*1 45 - 65Hz(AC A)*2 45 - 500Hz(AC V)	40Hz - 1kHz	50/60Hz	45 - 500Hz	45 - 500Hz
AC A	20/200A	600/1000A	60 - 1000A	60 - 1000A	40 - 1000A	400/2000A	6 - 300A	4 - 400A	30 - 3000A
AC V	-	600V	60/600V	60/600V	4 - 600V	40 - 750V	150 - 600V	-	-
DC V	-	600V	60/600V	60/600V	400mV - 600V	40 - 1000V	60V	-	-
Resistance	-	✓	✓	✓	✓	✓	✓	-	-
Continuity buzzer	-	✓	✓	✓	✓	✓	-	-	-
Frequency	-	-	-	✓	-	-	-	-	-
Peak hold	-	-	-	✓	-	✓	-	-	-
Max/Min	-	-	-	-	-	-	-	✓	✓
Measurement categories	CAT Ⅲ 300V	CAT Ⅳ 300V CAT Ⅲ 600V	CAT Ⅳ 300V CAT Ⅲ 600V	CAT Ⅳ 300V CAT Ⅲ 600V	CAT Ⅳ 300V (AC A)*1 CAT Ⅲ 600V (AC A) CAT Ⅲ 300V (AC/DC V) CAT Ⅱ 600V (AC/DC V)	CAT Ⅲ 600V CAT Ⅱ 1000V	CAT Ⅲ 300V CAT Ⅱ 600V	CAT Ⅳ 600V CAT Ⅲ 1000V	CAT Ⅳ 600V CAT Ⅲ 1000V
Power source	LR-44x2	R03/LR03x2	R03/LR03x2	R03/LR03x2	R03/LR03x2	R6/LR6x2	R6/LR6x1	R03/LR03x2	R03/LR03x2
Dimensions (L)x(W)x(D)	147x59x26mm	204x81x36mm	204x81x36mm	204x81x36mm	190x68x20mm	247x105x49mm	193x78x39mm	120x70x26mm (Display unit) φ5.5mm Approx. (Cable diameter)	120x70x26mm (Display unit) φ8.5mm Approx. (Cable diameter)
Weight (Approx.)	100g	220g	220g	230g	120g	470g	275g	200g	300g

*1 2200R *2 2200

CLAMP METERS

	DC Milliamp Clamp Meters	AC/DC Clamp Meters						Fork Current Tester
Model	2500/2510	2010	2033	2046R	2055/2056R	2003A	2009R	2300R
Appearance								
Conductor size (MAX.)	φ6mm	φ7.5mm	φ24mm	φ33mm	φ40mm	φ55mm	φ55mm	φ10mm
Frequency response	DC	DC 40Hz - 2kHz	DC 20Hz - 1kHz	DC 40 - 400Hz	DC 40 - 400Hz	DC 40Hz - 1kHz	DC 20Hz - 1kHz	DC 50/60Hz
AC A	-	200mA - 20A	40/300A	600A	600/1000A	400/2000A	400/2000A	100A
DC A	20/120mA	2/20A	40/300A	600A	600/1000A	400/2000A	400/2000A	100A
AC V	-	-	-	6 - 600V	6 - 600V	400/750V	40 - 750V	-
DC V	-	-	-	600mV - 600V	600mV - 600V	400/1000V	40 - 1000V	-
Resistance	-	-	-	✓	✓	✓	✓	-
Continuity buzzer	-	-	-	✓	✓	✓	✓	-
Frequency	-	-	-	✓	✓	-	✓	-
Back light	✓	-	-	✓	✓	-	-	-
Peak hold	-	-	-	✓	✓ (2056R)	✓ (Max)	✓*4	-
Max/Min	-	-	-	✓	✓	-	-	-
Communication interface	Bluetooth®(2510)	-	-	-	-	-	-	-
Measurement categories	-	-	CAT Ⅲ 300V	CAT Ⅳ 600V	CAT Ⅳ 600V	CAT Ⅳ 600V CAT Ⅲ 1000V	CAT Ⅳ 600V CAT Ⅲ 1000V	CAT Ⅲ 300V
Power source	R6/LR6x4*3	6LR61x1	LR-44x2	R03/LR03x2	R03/LR03x2	R6/LR6x2	R6/LR6x2	R03/LR03x2
Dimensions (L)x(W)x(D)	111x61x40mm (Display unit)(2500) 111x61x46mm (Display unit)(2510) 104x34x20mm (Sensor)	142x64x26mm (Display unit) 153x23x18mm (Sensor)	147x59x25mm	243x77x36mm	254x82x36mm	250x105x49mm	250x105x49mm	161x40x30mm
Weight (Approx.)	290g (2500) 310g (2510)	220g	100g	300g	310g	530g	540g	110g

*3 External power is available.(2510 only)
*4 In the PEAK mode,the auto-ranging feature is disabled and measuring ranges are fixed as follows. DC/AC A:0-400.0A DC/AC V:0-400.0V

INSULATION TESTERS

	Analogue Insulation Testers			Analogue Insulation/Continuity Testers	
Model	3165/3166	3161A	3431	3131A	3132A
Appearance					
Test voltage	1 range	2 ranges	3 ranges	3 ranges	3 ranges
Rated voltage (Max.measurement value)	500V(1000MΩ)(3165) 1000V(2000MΩ)(3166)	15V(20MΩ) 500V(100MΩ)	250V(200MΩ) 500V(200MΩ) 1000V(2000MΩ)	250V(100MΩ) 500V(200MΩ) 1000V(400MΩ)	250V(100MΩ) 500V(200MΩ) 1000V(400MΩ)
Continuity ranges	-	-	-	2/20Ω	3/500Ω
AC Voltage ranges	600V	600V	600V	-	600V
DC Voltage ranges	-	-	600V	-	-
Back light	-	✓	✓	✓	-
Power source	R6/LR6x4	R6/LR6x4	R6/LR6x4	R6/LR6x6	R6/LR6x6
Dimensions (L)x(W)x(D)	90x137x40mm	90x137x40mm	97x156x46mm	167x185x89mm	106x160x72mm
Weight (Approx.)	330g	340g	430g	860g	560g

INSULATION TESTERS

	Digital Insulation/Continuity Testers					
Model	3005A/3007A	3021A	3022A	3023A	3551	3552/3552BT*
Appearance						 3552BT Bluetooth
Test voltage	3 ranges	4 ranges	4 ranges	4 ranges	6 ranges	6 ranges
Rated voltage (Max.measurement value)	250V(2000MΩ) 500V(2000MΩ) 1000V(2000MΩ)	125V(200MΩ) 250V(2000MΩ) 500V(2000MΩ) 1000V(2000MΩ)	50V(200MΩ) 100V(200MΩ) 250V(2000MΩ) 500V(2000MΩ)	100V(200MΩ) 250V(2000MΩ) 500V(2000MΩ) 1000V(2000MΩ)	50V(100MΩ) 100V(200MΩ) 125V(250MΩ) 250V(500MΩ) 500V(2000MΩ) 1000V(4000MΩ)	50V(100MΩ) 100V(200MΩ) 125V(250MΩ) 250V(500MΩ) 500V(20GΩ) 1000V(40GΩ)
Continuity ranges	20/200/2000Ω	40/400Ω	40/400Ω	40/400Ω	40/400/4000Ω	40/400/4000Ω
AC Voltage ranges	600V	20 - 600V	20 - 600V	20 - 600V	2.0 - 600V	2.0 - 600V
DC Voltage ranges	-	-20 - -600V 20 - 600V	-20 - -600V 20 - 600V	-20 - -600V 20 - 600V	-2.0 - -600V 2.0 - 600V	-2.0 - -600V 2.0 - 600V
Back light	✓(3007A)	✓	✓	✓	✓	✓
Communication interface	-	-	-	-	-	USB,Bluetooth®
Power source	R6/LR6x8	R6/LR6x6	R6/LR6x6	R6/LR6x6	R6/LR6x4	R6/LR6x4
Dimensions (L)x(W)x(D)	167x185x89mm	105x158x70mm	10x158x70mm	105x158x70mm	97x156x46mm	97x156x46mm
Weight (Approx.)	970g (3005A) 990g (3007A)	600g	600g	600g	490g	490g

*Please contact us with inquiries about the purchase of 3552BT.

HIGH VOLTAGE INSULATION TESTERS

	Analogue High Voltage Insulation Testers			
Model	3121B	3122B	3123A	3124A
Appearance				
Test voltage	1 range	1 range	2 ranges	Variable
Rated voltage (Max.measurement value)	2500V(100GΩ)	5000V(200GΩ)	5000V(200GΩ) 10000V(400GΩ)	1000V(100MΩ) 1k - 10kV(100GΩ)
Dual resistance scales	✓	✓	✓	✓
Power source	LR14x8	LR14x8	R6/LR6x8	Ni-MH rechargeable battery(1.2V)x8
Dimensions (L)x(W)x(D)	177x226x100mm	177x226x100mm	200x140x80mm	200x140x80mm
Weight (Approx.)	1.6kg	1.7kg	1kg	1.5kg

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HIGH VOLTAGE INSULATION TESTERS

	Digital High Voltage Insulation Testers			
Model	3025A	3125A	3127	3128
Appearance			Bluetooth	
Test voltage	4 ranges	5 ranges	5 ranges	6 ranges(Variable)
Rated voltage (Max.measurement value)	250V(100MΩ) 500V(1000MΩ) 1000V(2GΩ) 2500V(100GΩ)	250V(100MΩ) 500V(1000MΩ) 1000V(2GΩ) 2500V(100GΩ) 5000V(1000GΩ)	250V(9.99GΩ) 500V(99.9GΩ 1000V(199GΩ) 2500V(999GΩ) 5000V(9.99TΩ)	500V(500GΩ) 1000V(1TΩ) 2500V(2.5TΩ) 5000V(5TΩ) 10000V(35TΩ) 12000V(35TΩ)
AC/DC Voltage ranges	30 - 600V AC/DC	30 - 600V AC/DC	30 - 600V AC/DC	30 - 600V AC/DC
Back light	✓	✓	✓	✓
Current	-	-	0.00nA - 5.50mA	5.0nA - 2.40mA
Capacitance	-	-	5.0nF - 50.0μF	5.0nF - 50.0μF
Memory	-	-	✓	✓
Power source	LR14x8	LR14x8	Rechargeable lead storage battery(12V)	Rechargeable lead storage battery(12V)
Dimensions (L)x(W)x(D)	177x226x100mm	177x226x100mm	380x430x154mm *Instrument and Hard case	330x410x180mm *Instrument and Hard case
Weight (Approx.)	1.7kg	1.9kg	8kg	9kg

EARTH TESTERS

	Earth Testers			
Model	4102A/4102A-H*	4105A/4105A-H*	4105DL/4105DL-H*	4106
Appearance			IP67	
Earth resistance	12/120/1200Ω	20/200/2000Ω	20/200/2000Ω	2/20/200/2000/20k/200kΩ
Earth resistivity ρ	-	-	-	2/20/200/2000/20k/200kΩ
Earth voltage	30V AC	200V AC	300V AC/300V DC	50V AC
Memory function	-	-	-	✓(800 data)
Back light	-	-	✓	✓
Applicable standards	IEC 61010-1 CAT Ⅲ 300V IEC 61557-1, 5 IEC 60529(IP54)	IEC 61010-1 CAT Ⅲ 300V IEC 61557-1, 5 IEC 60529(IP54)	IEC 61010-1 CAT Ⅳ 100V CAT Ⅲ 150V, CAT Ⅱ 300V IEC 61010-2-030, IEC 61557-1, 5 IEC 60529 (IP67)	IEC 61010-1 CAT Ⅳ 150V CAT Ⅲ 300V IEC 61557-1, 5 IEC 60529(IP54)
Power source	R6/LR6x6	R6/LR6x6	LR6x6	R6/LR6x8
Dimensions (L)x(W)x(D)	105x158x70mm	105x158x70mm	121x188x59mm	167x185x89mm
Weight (Approx.)	600g	550g	690g	900g

H*:Hard case type

EARTH TESTERS

	Earth Clamp Testers	Simplified Earth Tester
Model	4200/4202	4300
Appearance	4202 Bluetooth TRUE RMS	TRUE RMS
Conductor size(MAX.)	φ32mm	-
Earth resistance	20/200/1500Ω	200/2000Ω
Earth voltage	-	300V AC/DC
AC A	100/1000mA/10/30A	-
Noise check	✓	-
Memory function	✓(100 data)	-
Back light	✓	✓
Communication interface	Bluetooth®(4202)	-
Applicable standards	IEC 61010-1 CAT Ⅳ 300V IEC 61010-032	IEC 61010-1 CAT Ⅲ 300V IEC 61557-1, 5 IEC 60529(IP40)
Power source	R6/LR6x4	LR6x2
Dimensions (L)x(W)x(D)	246x120x54mm	232x51x42mm
Weight (Approx.)	780g	220g

LOOP/PSC TESTERS

	LOOP/PSC Testers	
Model	4118A	4140
Appearance		ATT
Loop impedance ranges	20/200/2000Ω	20/200/2000Ω(ATT*)
AC test current	25A/2.3A/15mA	6A/2A/15mA
AC test period	20/40/280ms	40/20/500ms
PSC ranges	200/2000A/20kA	2000A/20kA
PFC ranges	-	2000A/20kA(L-N<20Ω)
Voltage	110 - 260V ±2%rdg±4dgt	0 - 500V ±2%rdg±4dgt
Operating voltage	230V +10%, -15%	50-500V
Applicable standards	IEC 61010-1 CAT Ⅲ 300V IEC 61010-2-030 IEC 61557-1, 3 IEC 60529(IP54)	IEC 61010-1 CAT Ⅲ 300V IEC 61557-1,3,7,10 IEC 60529(IP54)
Power source	-	R6/LR6x6
Dimensions (L)x(W)x(D)	167x185x89mm	84x184x133mm
Weight (Approx.)	750g	860g

ATT*:Anti-Trip Technology

MULTI FUNCTION TESTERS

	Multi Function Testers				
Model	6516/6516BT	6010B	6011A	6018	6024PV
Appearance					
Continuity	20/200/2000Ω	20/200Ω	20/200/2000Ω	-	-
Insulation	100/250/500/1000V	500/1000V	250/500/1000V	250/500/1000V	250/500/1000V
PV Insulation	-	-	-	-	500/1000V
Loop impedance	2/20/200/2000Ω(ATT *)	20/2000Ω	20/200/2000Ω	-	-
RCD	✓	✓	✓	-	-
PSC	✓	-	✓	-	-
PFC	✓	-	-	-	-
Earth resistance	20/200/2000Ω	-	-	12/120/1200Ω	20/200/2000Ω
AC/DC voltage	2 - 600V AC	100 - 250V AC	100 - 250V AC	0 - 600V AC	600V AC/1000V DC
Phase rotation	✓	-	-	-	-
200mA continuity test current	✓	✓	✓	-	-
Auto discharges	✓	✓	✓	✓	✓
LIVE circuit warning	✓	✓	✓	✓	✓
Communication interface	USB, Bluetooth®(6516BT)	USB	-	-	USB
Applicable standards	IEC 61010-1 CAT Ⅳ 300V CAT Ⅲ 600V IEC 61010-2-034 IEC 61557-1,2,3,4,5,6,7,10 IEC 60529(IP40)	IEC 61010-1 CAT Ⅲ 300V IEC 61557-1,2,3,4,6,10 IEC 60529(IP40)	IEC 61010-1 CAT Ⅲ 300V IEC 61557 IEC 60529(IP54)	IEC 61010-1 CAT Ⅲ 600V IEC 61557	IEC 61010-1 CAT Ⅳ 300V CAT Ⅲ 600V IEC 61010-2-030 IEC 60529(IP54) IEC 61557-1,-2,-5,-10
Power source	LR6x8	R6/LR6x8	R6/LR6x8	R6/LR6x8	LR6x6
Dimensions (L)x(W)x(D)	136x235x114mm	115x175x86mm	130x183x100mm	130x183x100mm	84x184x133mm
Weight (Approx.)	1350g	840g	1100g	1000g	900g

ATT*: Anti-Trip Technology. 2Ω range is not subject to ATT.

RCD TESTERS

	RCD Testers	
Model	5406A	5410
Appearance		
Rated tripping current	10/20/30/200/300/500mA	15/30/50/100mA(×5) 15/30/50/100/200/ 500mA(x1,x1/2, AUTO)
Fault condition settings	x1/2, x1, x5, xDC, AUTO	x1/2, x1, x5, AUTO
Voltage measurement	-	80 - 450V
Lowest resolution	1ms	1ms
0 and 180 degree phase angle switch	✓	✓
Constant current testing	✓	✓
Check operation of DC sensitive breakers	✓	-
Operating voltage	230V +10%, -15%(50Hz)	100V ±10%, 200V +32%/-10%, 400V ±10%(50/60Hz)
Applicable standards	IEC 61010-1 CAT Ⅲ 300V IEC 61557-1, 6 IEC 60529(IP54)	IEC 61010-1 CAT Ⅲ 300V/CAT Ⅱ 400V IEC 61557-1, 6, IEC 60529(IP54)
Power source	-	R6/LR6x8
Dimensions (L)x(W)x(D)	167x186x89mm	167x186x89mm
Weight (Approx.)	800g	965g

PORTABLE APPLIANCE TESTER

	Portable Appliance Tester
Model	6205
Appearance	
Protective conductor resistance	20Ω
Insulation resistance	250/500V(20MΩ)
Load current	10.00A rms
Leakage current	20.00mA rms
AC voltage	30 - 270V
RCD	✓
Operating voltage	230V -15% - +10%(50Hz)
Memory function	✓ (999 data)
Back light	✓
Communication interface	USB
Printer output	✓
Applicable standards	IEC 61010-1 CAT Ⅱ 300V IEC 61010-2-030 AS/NZS 3760:2010
Supply voltage	100 - 253V(50Hz)
Power source	LR6x6
Dimensions (L)x(W)x(D)	261x104x57mm
Weight (Approx.)	930g

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POWER METERS

	Clamp Power Meters			Power Meter	Power Quality Analyzer
Model	2060BT	2062	2062BT	6305	6315
Appearance					
Wiring connections	1P2W, 1P3W, 3P3W, 3P4W	1P2W, 1P3W, 3P3W, 3P4W	1P2W, 1P3W, 3P3W, 3P4W	1P2W, 1P3W, 3P3W, 3P3W3A, 3P4W	1P2W, 1P3W, 3P3W, 3P3W3A, 3P4W
Voltage(AC V)	1000V	1000V	1000V	150.0/300.0/600.0V	600.0/1000V
Current(AC A)	40.00/400.0/1000A	40.00/400.0/1000A	40.00/400.0/1000A	Sensors(5A-3000A)	Sensors(5A-3000A)
Active Power	40.00/400.0/1000kW	40.00/400.0/1000kW	40.00/400.0/1000kW	150W-1800kW	3000W-3000kW
Frequency	40.0 - 999.9Hz	40.0 - 999.9Hz	40.0 - 999.9Hz	40.0 - 70.0Hz	40.0 - 70.0Hz
Energy	-	-	-	150Wh - 1800kWh	3000Wh - 3000kWh
Harmonics	1st - 30th order	1st - 30th order	1st - 30th order	-	1st - 50th order
Phase rotation	✓	✓	✓	-	-
Power factor	-1.000 - 0.000 - +1.000	-1.000 - 0.000 - +1.000	-1.000 - 0.000 - +1.000	-1.000 - 0.000 - +1.000	-1.000 - 0.000 - +1.000
Power Quality: Swell	-	-	-	-	✓
Power Quality: Dip	-	-	-	-	✓
Power Quality: Interruption	-	-	-	-	✓
Power Quality: Transients	-	-	-	-	✓
Power Quality: Inrush current	-	-	-	-	✓
Conductor size	ϕ75mm	ϕ55mm	ϕ55mm	-	-
Memory	-	-	-	SD card	SD card
Number of input channel	4ch (V3,A1)	4ch (V3,A1)	4ch (V3,A1)	6ch (V3,A3)	7ch (V3,A4)
Communication interface	Bluetooth®	-	Bluetooth®	USB, Bluetooth®	USB, Bluetooth®
Power source	LR6x2	LR6x2	LR6x2	AC100 - 240V(50 - 60Hz)/LR6x6	AC100 - 240V(45 - 65Hz)/LR6x6
Dimensions (L)x(W)x(D)	283x143x49mm	247x105x49mm	247x105x49mm	175x120x65mm	175x120x68mm
Weight (Approx.)	590g	490g	490g	800g	900g

LOGGERS

	For Current	For Current/Voltage	Ior Logger
Model	5010	5020	5050
Appearance			
Voltage	-	600.0V	1000.0V
Current	Sensors(100mA - 1000A)	Sensors(100mA - 1000A)	Sensors(10mA-3000A)
Ior Resistive leakage current	-	-	10.000/100.00/1000.0mA/10.000A
Frequency	50/60Hz	50/60Hz	10.0-99.9Hz
Memory	Inner memory	Inner memory	SD card
Number of input channel	3ch	3ch	5ch (V1,A4)
Power source	External supply DC9V/LR6x4	External supply DC9V/LR6x4	AC100 - 240V(50 - 60Hz)/LR6x6
Dimensions (L)x(W)x(D)	111x60x42mm	111x60x42mm	165x115x57mm
Weight (Approx.)	265g	265g	680g

Examples of set models

6305-01

6305 with 8125 x 3

6315-04

6315 with 8130 x 4

SENSORS

	Load current (For Power Meter)							
Model	8124	8125	8126	8127	8128	8130	8133	8135
Appearance								
Conductor size (MAX.)	ϕ68mm	ϕ40mm	ϕ40mm	ϕ24mm	ϕ24mm	ϕ110mm	ϕ170mm	ϕ75mm
Rated current (AC)	1000A	500A	200A	100A	5A (Max.50A)	1000A	3000A	5A (Max.50A)

	Load current			Leakage & Load current			Voltage	Ior Leakage current	
Model	8121	8122	8123	8146	8147	8148	8309	8177	8178
Appearance									
Conductor size (MAX.)	ϕ24mm	ϕ40mm	ϕ55mm	ϕ24mm	ϕ40mm	ϕ68mm	-	ϕ40mm	ϕ68mm
Rated current/voltage (AC)	100A	500A	1000A	30A	70A	100A	600V	10A	10A

LIGHT METERS

	Light Meters	
Model	5204/5204BT	5202
Appearance	5204BT Bluetooth CE	CE
Ranges	0.0 - 199900 lx	0.1 - 19990 lx
Accuracy	±4%rdg±5dgt(23˚C±2˚C)	±4% rdg±5 dgt *
Angle deviation from cosine characteristics	10˚±1.5% 30˚±3% 60˚±10% 80˚±30%	30º ±3% 60º ±10% 80º ±30%
Relative spectral sensitivity characteristics	Deviation from spectral luminous efficiency:9% or less	-
Response time	Auto range:5s or less Manual range:2s or less	2.5times/sec.
Communication interface	Bluetooth®(5204BT)	-
Applicable standards	JIS C 1609-1:2006	-
Power source	R6/LR6x2	6F22x1
Dimensions (L)x(W)x(D)	169x63x37㎜	Meter:148x71x36㎜ Light Receiving Sensor:85x67x32㎜
Weight (Approx.)	210g	270g

*Except for 20000lx

INFRARED THERMOMETER

	Infrared Thermometer
Model	5515
Appearance	CE
Measuring range	-32 - 535ºC
Accuracy	±3.0ºC (-32 - -20ºC) ±2.0ºC (-20 - +100ºC) ±2%rdg (100 - 535ºC)
Measuring element	Thermopile
Infrared spectral band	5 - 14μm
Measuring diameter	1000mm/ø78mm (Distance/ Measuring dia.: 12:1)
Repeatability	Within ±1ºC
Emissivity	Variable between 0.10 and 1.00 (by 0.01 steps), Before shipment: 0.95
Collimation	Laser beam (Class 2, 630-670nm, 1mW or less) specifies the center.
Applicable standards	IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-8, IEC 60825-1
Power source	6F22x1
Dimensions (L)x(W)x(D)	180x130x40㎜
Weight (Approx.)	195g

PHASE INDICATORS

	Phase Indicators			
Model	8031 (CE Type)	8031 (Standard Type)	8031F	8035
Appearance	CE		CE	Non-Contact Safety Phase Indicator CE
Operational voltage	110 - 600V AC	110 - 600V AC	110 - 600V AC	70 - 1000V AC
Fuse	-	-	✓	-
Time limit for continuous	>500V : within 5 minutes	>500V : within 5 minutes	>500V : within 5 minutes	-
Frequency response	50/60Hz	50/60Hz	50/60Hz	45 - 66Hz
Applicable standards	IEC 61010-1 CAT Ⅳ 300V CAT Ⅲ 600V	-	IEC 61010-1 CAT Ⅳ 300V CAT Ⅲ 600V	IEC 61010-1 CAT Ⅳ 600V CAT Ⅲ 1000V IEC 61557-1,-7
Power source	-	-	-	LR6x4
Cord	1.5m (L1:red L2:white L3:blue)	1.5m (L1:red L2:white L3:blue)	1.3m (L1:red L2:white L3:blue)	70cm (L1:red L2:white L3:blue)
Dimensions (L)x(W)x(D)	106x75x40㎜	106x75x40㎜	106x75x40㎜	112x61x36㎜
Weight (Approx.)	350g	350g	350g	380g

VOLTAGE DETECTOR

	Voltage Detector
Model	5711
Appearance	CE
Operating voltage	AC 90 - 1000 V (Lo sensitivity) AC 20 - 1000 V (Hi sensitivity)
Frequency range	50/60Hz
Applicable standards	IEC 61010-1 CAT Ⅳ 600V CAT Ⅲ 1000V
Power source	R03/LR03x2
Dimensions (L)x(ϕ)	153x20㎜
Weight (Approx.)	40g

KEWTECH Brand

		Voltage Testers
Model		KT170/KT171
Appearance		CE
Voltage test	LED	12/24/50/120/230/400/690V
	LCD(KT171 only)	300/690V
Single-pole phase		100 - 690 AC(50/60Hz)
Phase rotation		Three-phase 4wire system 200 - 690V AC(50/60Hz)
Continuity test		0 - 400kΩ +50%
Applicable satandards		IEC 61243-3 IEC 61010-1 CAT Ⅳ 600V, CAT Ⅲ 690V IEC 61557-7 IEC 60529(IP65)
Power source		LR03x2
Dimensions (L)x(W)x(D)		246x64x26㎜
Weight (Approx.)		195g

KEWTECH Brand

	Digital Clamp Meters
Model	KT200/KT203
Appearance	CE
Conductor size(MAX.)	ϕ30㎜
Frequency response	50/60Hz
AC A	40/400A
DC A(KT203 only)	40/400A
AC V	400/600V
DC V	400/600V
Resistance	✓
Continuity buzzer	✓
Measurement categories	CAT Ⅲ 300V(AC A) CAT Ⅱ 600V
Power source	R03/LR03x2
Dimensions (L)x(W)x(D)	184x69x39㎜ (KT200) 187x69x39㎜ (KT203)
Weight (Approx.)	190g(KT200)/200g(KT203)

⚠ **Safety Warnings :** Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely for correct use. Failure to follow the safety rules can cause fire, trouble, electrical shock, etc. Therefore, make sure to operate the instrument on a correct power supply and voltage rating marked on each instrument.

For inquires or orders :

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●The contents of this leaflet are subject to change without notice.

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