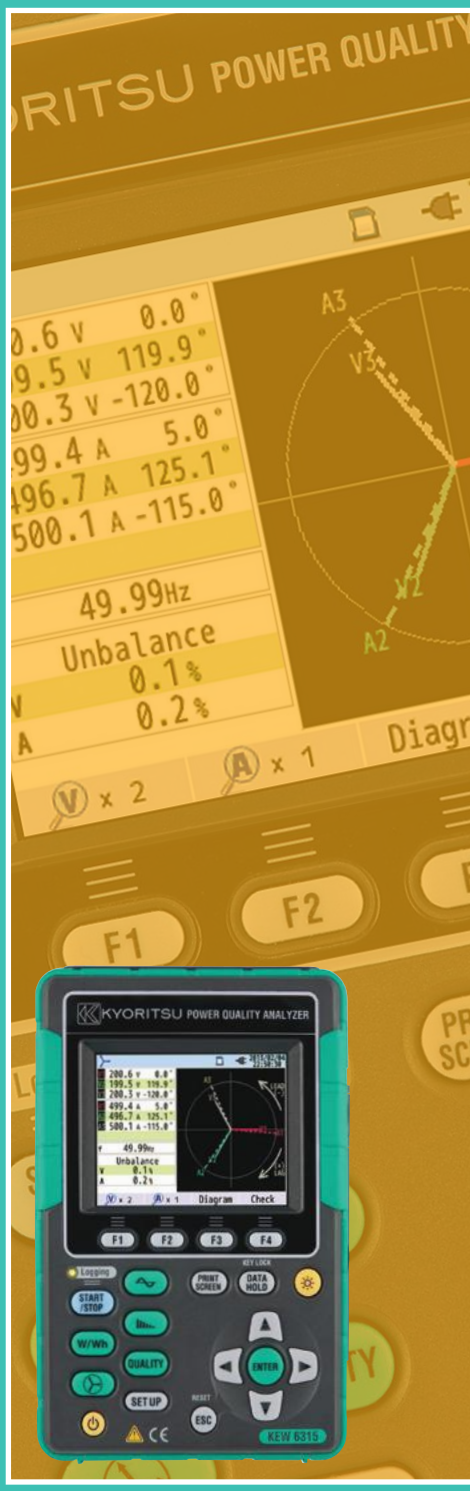
# KYORITSU

## Test and Measuring Instruments

## Shortform Catalogue 2016 - 2017




Japan QUALITY

*Quality and reliability is our tradition*

KYORITSU

# INSULATION TESTERS

| | Analogue Insulation Testers | | | Analogue Insulation/Continuity Testers | |
|---|---|---|---|---|---|
| | 3165 | 3166 | 3161A | 3131A | 3132A |
| Appearance | | | | | |
| Test voltage | 1 range | | 2 ranges | 3 ranges | |
| Rated voltage (Max.measurement value) | 500V(1000MΩ) | 1000V(2000MΩ) | 15V(20MΩ)<br>500V(100MΩ) | 250V(100MΩ)<br>500V(200MΩ)<br>1000V(400MΩ) | 250V(100MΩ)<br>500V(200MΩ)<br>1000V(400MΩ) |
| Continuity ranges | - | - | - | 2/20Ω | 3/500Ω |
| AC Voltage ranges | 600V | 600V | 600V | - | 600V |
| Back light | - | - | ✔ | ✔ | - |
| Power source | R6/LR6 × 4 | R6/LR6 × 4 | R6/LR6 × 4 | R6/LR6 × 6 | R6/LR6 × 6 |
| Dimensions (L)×(W)×(D)mm | 90×137×40 | 90×137×40 | 90×137×40 | 167×185×89 | 106×160×72 |
| Weight (Approx.) | 330g | 330g | 340g | 860g | 560g |

| | Digital Insulation/Continuity Testers | | | | |
|---|---|---|---|---|---|
| | 3005A | 3007A | 3021 | 3022 | 3023 |
| Appearance | | | | | |
| Test voltage | 3 ranges | | 4 ranges | | |
| Rated voltage (Max.measurement value) | 250V(20MΩ)<br>500V(200MΩ)<br>1000V(2000MΩ) | 250V(20MΩ)<br>500V(200MΩ)<br>1000V(2000MΩ) | 125V(200MΩ)<br>250V(2000MΩ)<br>500V(2000MΩ)<br>1000V(2000MΩ) | 50V(200MΩ)<br>100V(200MΩ)<br>250V(2000MΩ)<br>500V(2000MΩ) | 100V(200MΩ)<br>250V(2000MΩ)<br>500V(2000MΩ)<br>1000V(2000MΩ) |
| Continuity ranges | 20/200/2000Ω | 20/200/2000Ω | 40/400Ω | 40/400Ω | 40/400Ω |
| AC Voltage ranges | 600V | 600V | 20 - 600V | 20 - 600V | 20 - 600V |
| DC Voltage ranges | - | - | -20 - -600V<br>20 - 600V | -20 - -600V<br>20 - 600V | -20 - - 600V<br>20 - 600V |
| Back light | - | ✔ | ✔ | ✔ | ✔ |
| Power source | R6/LR6 × 8 | R6/LR6 × 8 | R6/LR6 × 6 | R6/LR6 × 6 | R6/LR6 × 6 |
| Dimensions (L)×(W)×(D)mm | 167×185×89 | 167×185×89 | 105×158×70 | 105×158×70 | 105×158×70 |
| Weight(Approx.) | 970g | 990g | 600g | 600g | 600g |

# EARTH TESTERS

| | Earth Testers | | | Earth Clamp Testers | Simplified Earth Tester |
|---|---|---|---|---|---|
| | 4102A | 4105A | 4106 | 4200/4202 | 4300 |
| Appearance | | | | | |
| Conductor size(MAX.mm) | - | - | - | ϕ32 | - |
| Earth resistance | 12/120/1200Ω | 20/200/2000Ω | 2/20/200/2000/20k/200kΩ | 20/200/1500Ω | 200/2000Ω |
| Earth resistivity ρ | - | - | 2/20/200/2000/20k/200kΩ | - | - |
| Earth voltage | 30V AC | 200V AC | 50V AC | - | 300V AC |
| AC A | - | - | - | 100/1000mA/10/30A | - |
| Noize check | - | - | - | ✔ | - |
| Memory function | - | - | ✔800 data | ✔100 data | - |
| Back light | - | - | ✔ | ✔ | ✔ |
| Applicable standards | IEC 61010-1 CAT Ⅲ 300V,<br>IEC 61010-031,<br>IEC 61557-1, 5,<br>IEC 60529(IP54) | IEC 61010-1 CAT Ⅲ 300V,<br>IEC 61010-031,<br>IEC 61557-1, 5,<br>IEC 60529(IP54) | IEC 61010-1 CAT Ⅲ 300V,<br>CAT Ⅳ 150V,<br>IEC 61010-031,<br>IEC 61557-1, 5,<br>IEC 61326-1,<br>IEC 60529(P54) | IEC 61010-1 CAT Ⅳ 300V,<br>IEC 61010-2-032,<br>IEC 61326 | IEC 61010-1 CAT Ⅲ 300V ,<br>IEC 61010-031,<br>IEC 61557-1, 5,<br>IEC 61326-1,<br>IEC 60529(IP40) |
| Power source | R6/LR6 × 6 | R6/LR6 × 6 | R6/LR6 × 8 | R6/LR6 × 4 | R6/LR6 × 2 |
| Dimensions (L)×(W)×(D)mm | 105×158×70 | 105×158×70 | 167×185×89 | 246×120×54 | 232×51×42 |
| Weight (Approx.) | 600g | 550g | 900g | 780g | 220g |

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# HIGH VOLTAGE INSULATION TESTERS

## Analogue High Voltage Insulation Testers

| | 3121B | 3122B | 3123A | 3124 |
|---|---|---|---|---|
| Appearance | | | | |
| Test voltage | 1 range | | 2 ranges | Variable |
| Test voltage (Max. measurement value) | 2500V(100GΩ) | 5000V(200GΩ) | 5000V(200GΩ)<br>10000V(400GΩ) | 1000V(100MΩ)<br>1k - 10kV(100GΩ) |
| Dual resistance scales | ✔ | ✔ | ✔ | ✔ |
| Power source | LR14 × 8 | LR14 × 8 | R6/LR6 × 8 | Ni-Cd rechargeable battery(1.2V) × 8 |
| Dimensions (L)×(W)×(D)mm | 177×226×100 | 177×226×100 | 200×140×80 | 200×140×80 |
| Weight (Approx.) | 1.6kg | 1.7kg | 1kg | 1.5kg |

## Digital High Voltage Insulation Testers

| | 3025A | 3125A | 3127 | 3128 |
|---|---|---|---|---|
| Appearance | | | | |
| Test voltage | 4 ranges | 5 ranges | 5 ranges | 6 ranges(Variable) |
| Test voltage (Max.measurement value) | 250V(100MΩ)<br>500V(1000MΩ)<br>1000V(2GΩ)<br>2500V(100GΩ) | 250V(100MΩ)<br>500V(1000MΩ)<br>1000V(2GΩ)<br>2500V(100GΩ)<br>5000V(1000GΩ) | 250V(10GΩ)<br>500V(100GΩ)<br>1000V(200GΩ)<br>2500V(1TΩ)<br>5000V(10TΩ) | 500V(500GΩ)<br>1000V(1TΩ)<br>2500V(2.5TΩ)<br>5000V(5TΩ)<br>10000V(35TΩ)<br>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 | 0.00nA - 2.40mA |
| Capacitance | - | - | 5.0nF - 50.0μF | 5.0nF - 50.0μF |
| Memory | - | - | ✔ | ✔ |
| Power source | LR14 × 8 | LR14 × 8 | Rechargeable lead storage battery (12V) | Rechargeable lead storage battery (12V) |
| Dimensions (L)×(W)×(D)mm | 177×226×100 | 177×226×100 | 380×430×154<br>*Instrument and Hard case | 330×410×180<br>*Instrument and Hard case |
| Weight (Approx.) | 1.7kg | 1.9kg | 8kg | 9kg |

# MULTIMETERS

| | Digital Multimeters | | Analogue Multimeters | | Digital Multimeters | | |
|---|---|---|---|---|---|---|---|
| | 1020R | 1021R | 1109S | 1110 | 1018/1018H* | 1019R | 1030 |
| Appearance | | | | | | | |
| DCV | 600mV - 1000V | 600mV - 600V | 0.1 - 1000V | 3 - 600V | 400mV - 600V | 600mV - 600V | 400mV - 600V |
| ACV | 600mV - 1000V | 600mV - 600V | 10 - 1000V | 30 - 600V | 4 - 600V | 6 - 600V | 4 - 600V |
| DCA | - | 6A - 10A | 50uA - 250mA | 60uA - 300mA | - | - | - |
| ACA | - | 6A - 10A | - | - | - | - | - |
| Resistance | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| Continuity buzzer | ✔ | ✔ | - | ✔ | ✔ | ✔ | ✔ |
| Capacitance | ✔ | ✔ | - | - | ✔ | ✔ | ✔ |
| Frequency | ✔ | ✔ | - | - | ✔ | - | ✔ |
| Back light | ✔ | ✔ | - | - | - | - | ✔ |
| Logging memory | - | - | - | - | - | - | - |
| Measurement categories | CAT Ⅳ300V, CAT Ⅲ600V, CAT Ⅱ1000V | CAT Ⅳ300V, CAT Ⅲ600V | - | CAT Ⅲ300V CAT Ⅱ600V | CAT Ⅲ300V | CAT Ⅲ300V CAT Ⅱ600V | CAT Ⅲ600V |
| Power source | R03/LR03 × 2 | R03/LR03 × 2 | R6×2/6F22×1 | R6 × 2 | LR44 × 2 | CR2032 × 1 | LR44 × 2 |
| Dimensions (L)x(W)x(D)mm | 155×75×40 | 155×75×40 | 150×100×47 | 140×94×39 | 107×54×10 | 126×85×18 | 190×39×31 |
| Weight (Approx.) | 250g | 250g | 330g | 280g | 70g | 135g | 100g |

*H: Hard case type

| | Digital Multimeters | | | | | |
|---|---|---|---|---|---|---|
| | 1009 | 1011/1012 | 1051/1052 | 1061/1062 | 2000/2001 | 2012R |
| Appearance | | | | | | |
| DCV | 400mV - 600V | 600mV - 600V | 600mV - 1000V | 50mV - 1000V | 340mV - 600V | 600mV - 600V |
| ACV | 40mV - 600V | 6 - 600V | 600mV - 1000V | 50mV - 1000V | 3.4 - 600V | 6 - 600V |
| DCA | 400uA - 10A | 600uA - 10A | 600uA - 10A | 500uA - 10A | 60A(2000) 100A(2001) | 60/120A |
| ACA | 400uA - 10A | 600uA - 10A | 600uA - 10A | 500uA - 10A | 60A(2000) 100A(2001) | 60/120A |
| Resistance | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| Continuity buzzer | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| Capacitance | ✔ | ✔ | ✔ | ✔ | - | ✔ |
| Frequency | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| Back light | - | - | ✔ | ✔ | - | - |
| Logging memory | - | - | ✔(1052) | ✔ | - | - |
| Measurement categories | CAT Ⅲ300V | CAT Ⅲ300V CAT Ⅱ600V | CAT Ⅳ600V, CAT Ⅲ1000V | CAT Ⅳ600V, CAT Ⅲ1000V | CAT Ⅲ300V, CAT Ⅱ600V | CAT Ⅲ300V, CAT Ⅱ600V |
| Power source | R6 × 2 | R6/LR6 × 2 | LR6 × 4 | LR6 × 4 | R03/LR03 × 2 | R03/LR03 × 2 |
| Dimensions (L)×(W)×(D)mm | 161×82×50 | 161×82×50 | 192×90×49 | 192×90×49 | 128×84×24(2000) 128×92×27(2001) | 128×92×27 |
| Weight (Approx.) | 280g | 280g | 560g | 560g | 210g(2000) 220g(2001) | 220g |

# LEAKAGE CLAMP METERS

| | Leakage Clamp Meters | | | | | |
|---|---|---|---|---|---|---|
| | 2431 | 2432 | 2433/2433R | 2412 | 2434 | 2413F/2413R |
| Appearance | | | | | | |
| Conductor size(MAX.mm) | ϕ24 | ϕ40 | ϕ40 | ϕ40 | ϕ28 | ϕ68 |
| Frequency response | 40 - 400Hz | 20Hz - 1kHz | 20Hz - 1kHz | 40 - 400Hz | 40 - 400Hz | 40Hz - 1kHz |
| ACA | 20mA - 200A | 4mA - 100A | 40mA - 400A | 20mA - 500A | 400mA - 100A | 200mA - 1000A |
| ACV | - | - | - | 600V | - | - |
| Resistance | - | - | - | ✔ | - | - |
| Back light | - | - | - | - | - | ✔ (2413R) |
| Peak hold | - | ✔ | ✔ | - | - | ✔ |
| Frequency filter | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| Measurement categories | CAT Ⅲ300V | CAT Ⅲ300V | CAT Ⅲ300V | - | CAT Ⅲ300V | CAT Ⅲ300V |
| Power source | LR-44 × 2 | R03/LR03 × 2 | R03/LR03 × 2 | 6F22 × 1 | R03/LR03 × 2 | 6F22 × 1 |
| Dimensions (L)×(W)×(D)mm | 149×60×26 | 185×81×32 | 185×81×32 | 209×96×45 | 169×75×40 | 250×130×50 |
| Weight (Approx.) | 120g | 290g | 270g | 450g | 220g | 570g |

# CLAMP METERS

| | AC Clamp Meters | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2031 | 2017 | 2007R<br>2117R | 2027 | 2040 | 2200<br>2200R | 2002PA<br>2002R | 2608A | 2204R<br>2210R |
| Appearance | | | | | | | | | |
| Conductor size (MAX.mm) | ϕ24 | ϕ33 | ϕ33 | ϕ33 | ϕ33 | ϕ33 | ϕ55 | ϕ33 | ϕ70(2204R)<br>ϕ150(2210R) |
| Frequency response | 40Hz - 1kHz | 45Hz - 1kHz | 40 - 400Hz*1<br>40 - 1kHz*2 | 40Hz - 1kHz | 40 - 400Hz | 40 - 1kHz(ACA)*3<br>45 - 65Hz(ACA)*4<br>45 - 500Hz(ACV) | 40Hz - 1kHz | 50/60Hz | 45 - 500Hz |
| ACA | 20/200A | 200/600A | 600/1000A*1<br>60 - 1000A*2 | 200/600A | 600A | 40 - 1000A | 400/2000A | 6 - 300A | 4 - 400A*5<br>30 - 3000A*6 |
| ACV | - | 200/600V | 600V*1<br>60/600V*2 | 200/600V | 6 - 600V | 4 - 600V | 40 - 750V | 150 - 600V | - |
| DCV | - | - | 600V*1<br>60/600V*2 | - | 600mV - 600V | 400V - 600V | 40 - 1000V | 60V | - |
| Resistance | - | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | - |
| Continuity buzzer | - | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | - | - |
| Frequency | - | - | - | - | ✔ | - | - | - | - |
| Peak hold | - | - | - | - | - | - | ✔ | - | - |
| Max/Min | - | - | - | - | ✔ | - | - | - | ✔ |
| Measurement categories | CAT Ⅲ300V | CAT Ⅲ600V | CAT Ⅳ300V,<br>CAT Ⅲ600V | CAT Ⅲ600V | CAT Ⅳ600V | CAT Ⅲ600V<br>(ACA),<br>CAT Ⅲ300V<br>(AC/DCV),<br>CAT Ⅱ600V<br>(AC/DCV) | CAT Ⅲ600V,<br>CAT Ⅱ1000V | CAT Ⅲ300V,<br>CAT Ⅱ600V | CAT Ⅳ600V,<br>CAT Ⅲ1000V |
| Power source | LR-44 × 2 | 6F22 × 1 | R03/LR03 × 2 | 6F22 × 1 | R03/LR03 × 2 | R03/LR03 × 2 | R6/LR6 × 2 | R6/LR6 × 1 | R03/LR03 × 2 |
| Dimensions (L)×(W)×(D)mm | 147×58.5×26 | 208×91×40 | 204×81×36 | 208×91×40 | 43×77×36 | 190×68×20 | 247×105×49 | 193×78×39 | 120×70×26 |
| Weight (Approx.) | 100g | 400g | 220g | 400g | 300g | 120g | 470g | 275g | 470g |

*1 2007R
*2 2117R
*3 2200
*4 2200R
*5 2204R
*6 2210R

| | DC Milliamp Clamp Meter | AC/DC Clamp Meters | | | | | | Fork Current Tester |
|---|---|---|---|---|---|---|---|---|
| | 2500 | 2010 | 2033 | 2046R | 2055/2056R | 2003A | 2009R | 2300R |
| Appearance | | | | | | | | |
| Conductor size (MAX.mm) | ϕ6 | ϕ7.5 | ϕ24 | ϕ33 | ϕ40 | ϕ55 | ϕ55 | ϕ10 |
| Frequency response | DC | DC<br>40Hz - 2kHz | DC<br>20Hz - 1kHz | DC<br>40 - 400Hz | DC<br>40 - 400Hz | DC<br>40Hz - 1kHz | DC<br>20Hz - 1kHz | DC<br>50/60Hz |
| ACA | - | 200mA - 20A | 40/300A | 600A | 600/1000A | 400/2000A | 400/2000A | 100A |
| DCA | 20/120mA | 2/20A | 40/300A | 600A | 600/1000A | 400/2000A | 400/2000A | 100A |
| ACV | - | - | - | 6 - 600V | 6 - 600V | 400/750V | 40 - 750V | - |
| DCV | - | - | - | 600mV - 600V | 600mV - 600V | 400/1000V | 40 - 1000V | - |
| Resistance | - | - | - | ✔ | ✔ | ✔ | ✔ | - |
| Continuity buzzer | - | - | - | ✔ | ✔ | ✔ | ✔ | - |
| Frequency | - | - | - | ✔ | ✔ | - | ✔ | - |
| Back light | ✔ | - | - | ✔ | ✔ | - | - | - |
| Peak hold | - | - | - | ✔ | ✔(2056R) | ✔(Max) | ✔* | - |
| Max/Min | - | - | - | ✔ | ✔ | - | - | - |
| Measurement categories | CAT Ⅱ300V | - | CAT Ⅲ300V | CAT Ⅳ600V | CAT Ⅳ600V | CAT Ⅳ600V<br>CAT Ⅲ1000V | CAT Ⅳ600V<br>CAT Ⅲ1000V | CAT Ⅲ300V |
| Power source | R6/LR6 × 4 | 6LR61 × 1 | LR-44 × 2 | R03/LR03 × 2 | R03/LR03 × 2 | R6/LR6 × 2 | R6/LR6 × 2 | R03/LR03 × 2 |
| Dimensions (L)×(W)×(D)mm | 111×61×40<br>(Display unit)<br>104×34×20<br>(Sensor) | 142×64×26<br>(Display unit)<br>153×23×18<br>(Sensor) | 147×59×25 | 243×77×36 | 254×82×36 | 250×105×49 | 250×105×49 | 161×40×30 |
| Weight (Approx.) | 290g | 220g | 100g | 300g | 310g | 530g | 540g | 110g |

*In the PEAK mode,the auto-ranging feature is disabled and measuring ranges are fixed as follows.
DC/ACA:0-400.0A
DC/ACV:0-400.0V

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# LOOP/PSC TESTERS

| | LOOP/PSC Testers | |
|---|---|---|
| | 4118A | 4140 |
| Appearance | | |
| 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,<br>IEC 61010-031,<br>IEC 61557-1, 3,<br>IEC 60529(IP54) | IEC 61010-1 CAT Ⅲ 300V,<br>IEC 61010-031,<br>IEC 61557-1, 3, 7, 10,<br>IEC 60529(IP54), IEC 61326 |
| Power source | - | R6/LR6 × 6 |
| Dimensions (L)×(W)×(D)mm | 185×167×89 | 84×184×133 |
| Weight (Approx.) | 750g | 860g |

ATT*: Anti-Trip Technology

# PORTABLE APPLIANCE TESTER

| | Portable Appliance Tester |
|---|---|
| | 6201A |
| Appearance | |
| Protective conductor | 15Ω |
| Insulation resistance | 20MΩ（250/500V） |
| Leakage current | 20mA |
| Contact current | - |
| AC voltage | 207 - 264V |
| Current consumption | - |
| Applicable standards | AS/NZS 3760:2003,<br>IEC 61010-1 CAT Ⅲ 300V,<br>IEC 61326-1 |
| Source voltage | 240V±10% |
| Dimensions (L)×(W)×(D)mm | 185×167×89 |
| Weight (Approx.) | 1200g |

# RCD TESTERS

| | RCD Testers | |
|---|---|---|
| | 5406A | 5410 |
| Appearance | | |
| Rated tripping current | 10/20/30/200/300/500mA | 15/30/50/100mA(×5)<br>15/30/50/100/200/500mA<br>(×1,×1/2, AUTO) |
| Fault condition settings | ×1/2, ×1, ×5, ×DC, AUTO | ×5, ×1, ×1/2, 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,<br>IEC 61557-1, 6, IEC 60529(IP54) | IEC 61010-1, CAT Ⅲ 300V/CAT Ⅱ 400V,<br>IEC 61557-1, 6, IEC 60529(IP54) |
| Power source | - | R6/LR6 × 8 |
| Dimensions (L)×(W)×(D)mm | 186×167×89 | 186×167×89 |
| Weight (Approx.) | 800g | 965g |

# PHASE INDICATORS

| | Phase Indicators | | |
|---|---|---|---|
| | 8030 | 8031/8031F | 8035 |
| Appearance | | | |
| Operational voltage | 200 - 480V AC | 110 - 600V AC | 70 - 1000V AC |
| Fuse | - | ✔（8031F） | - |
| Time limit for continuous | 200V : within 60 minutes<br>480V : within 4 minutes | >500V : within 5 minutes | - |
| Frequency response | 20 - 400Hz | 50/60Hz | 45 - 66Hz |
| Applicable standards | IEC 61010-1 CAT Ⅲ 300V | IEC 61010-1 CAT Ⅲ 600V<br>(CE Type/8031F) | IEC 61010-1 CAT Ⅳ 600V, CAT Ⅲ 1000V,<br>IEC 61326, IEC 61557-1,-7 |
| Power source | - | - | R6/LR6 × 4 |
| Cord | 1m (L1:red L2:white L3:blue) | 1.5m (L1:red L2:white L3:blue) | 70cm (L1:red L2:white L3:blue) |
| Dimensions (L)×(W)×(D)mm | 82×59×23 | 106×75×40 | 112×61×36 |
| Weight (Approx.) | 200g | 350g | 380g |

# MULTI FUNCTION TESTERS

| | Multi Function Testers | | | |
|---|---|---|---|---|
| | 6010B | 6011A | 6016 | 6018 |
| Appearance | | | | |
| Continuity | 20/200Ω | 20/200/2000Ω | 20/200/2000Ω | - |
| Insulation | 500/1000V | 250/500/1000V | 250/500/1000V | 250/500/1000V |
| Loop impedance | 20/200Ω | 20/200/2000Ω | 20/200/2000Ω(ATT*) | - |
| RCD | ✔ | ✔ | ✔ | - |
| PSC | - | ✔ | ✔ | - |
| Earth resistance | - | - | 20/200/2000Ω | 12/120/1200Ω |
| AC voltage | 100 - 250V | 100 - 250V | 25 - 500V | 0 - 600V |
| Phase rotation | - | - | ✔ | - |
| 200mA continuity test current | ✔ | ✔ | ✔ | - |
| Auto discharges | ✔ | ✔ | ✔ | ✔ |
| LIVE circuit warning | ✔ | ✔ | ✔ | ✔ |
| PC communication | ✔ | - | ✔ | - |
| Applicable standards | IEC 61010-1 CAT Ⅲ 300V, IEC 61557-1,2,3,4,6,10, IEC 60529(IP40) | IEC 61010-1 CAT Ⅲ 300V, IEC 61010-031, IEC 61557, IEC 60529(IP54) | IEC 61010-1 CAT Ⅲ300V (500V L to L), IEC 61010-031, IEC 61557-1,2,3,4,5,6,7,10, IEC 60529(IP40), IEC 61326(EMC) | IEC 61010-1 CAT Ⅲ 600V, IEC 61010-031, IEC 61557 |
| Power source | R6/LR6 × 8 | R6/LR6 × 8 | R6/LR6 × 8 | R6/LR6 × 8 |
| Dimensions (L)x(W)x(D)mm | 175×115×86 | 130×183×100 | 136×235×114 | 130×183×100 |
| Weight (Approx.) | 840g | 1100g | 1350g | 1000g |

ATT*: Anti-Trip Technology

# KEWTECH Brand

| | | Voltage Testers | |
|---|---|---|---|
| | | KT170 | KT171 |
| Appearance | | | |
| Voltage test | LED | 12/24/50/120/230/400/690V | |
| | LCD | - | 300.0/690V |
| Single-pole phase | | 100-690 AC(50/60Hz) | |
| Phase rotation | | Three-phase4wire system 200-690V AC(50/60Hz) | |
| Continuity test | | 0-400kΩ +50% | |
| Applicable standards | | IEC 61243-3, IEC 61010-1 CAT Ⅲ 690V/CAT Ⅳ 600V , IEC 61010-031, IEC 61557-7, IEC 60529(IP65) | |
| Power source | | R03/LR03 × 2 | |
| Dimensions (L)×(W)×(D)mm | | 246×64×26 | |
| Weight (Approx.) | | 195g | |

| | Digital Clamp Meters | |
|---|---|---|
| | KT200 | KT203 |
| Appearance | | |
| Conductor size (MAX.mm) | ϕ30 | ϕ30 |
| Frequency response | 50/60Hz | 50/60Hz |
| ACA | 40/400A | 40/400A |
| DCA | - | 40/400A |
| ACV | 400/600V | 400/600V |
| DCV | 400/600V | 400/600V |
| Resistance | ✔ | ✔ |
| Continuity buzzer | ✔ | ✔ |
| Measurement categories | CAT Ⅲ300V(ACA), CAT Ⅱ 600V | CAT Ⅲ300V(ACA), CAT Ⅱ 600V |
| Power source | R03 / LR03 × 2 | R03 / LR03 × 2 |
| Dimensions (L)×(W)×(D)mm | 184×69×39 | 184×69×39 |
| Weight (Approx.) | 190g | 200g |

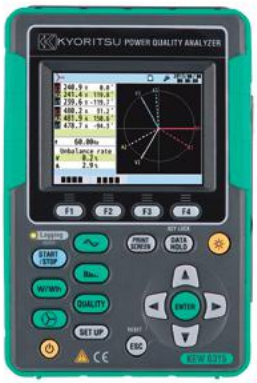
# POWER METER

## KEW 6305

TRUE RMS Bluetooth

| | Power Meter |
|---|---|
| | 6305 |
| Wiring connections | 1P2W, 1P3W, 3P3W, 3P3W3A, 3P4W |
| Measurements | Voltage, Current, Frequency, Active power |
| Parameters | Apparent power, Reactive power, Active energy, Apparent energy, Reactive energy, Power factor (cos θ), Neutral current,Demand |
| Voltage range[RMS] | 150.0/300.0/600.0V |
| Voltage accuracy | ±0.2%rdg±0.2%f.s. (sine wave, 45 - 65Hz) |
| Current range[RMS] | 10.00/50.00/100.0/250.0/500.0A/Auto (with clamp sensor MODEL8125) |
| Current accuracy | ±0.2%rdg±0.2%f.s.+ Accuracy of Clamp sensor (sine wave, 45~65Hz) |
| Communication Interface | USB, Bluetooth |
| PC Card type | SD card |
| Power supply | AC100 - 240V (50/60Hz) / LR6×6 |
| Dimensions / Weight | 175(L)×120(W)×65(D)mm / 800g Approx. |

# POWER QUALITY ANALYZER



## KEW 6315

TRUE RMS Bluetooth

**Power quality and power consumption are simultaneously recordable**

| | Power Quality Analyzer |
|---|---|
| | 6315 |
| Wiring connections | 1P2W, 1P3W, 3P3W, 3P3W3A, 3P4W |
| Measurements & Parameters | Simultaneous recording<br>Voltage:600/1000V ±0.2%rdg.±0.2%f.s.,<br>Current:500mA - 3000A ±0.2%rdg.±0.2%f.s.<br>+Clampsensor accuracy,<br>Active power, Reactive power, Apparent power, Frequency, Energy, Power factor (cosθ), Demand, Harmonics, Quality (Swell/Dip/Instantaneous stop, Transients, Inrush Current, Unbalance Rate, Flicker) |
| Display | 320× 240(RGB) Pixels, 3.5- inch Color TFT display |
| Communication Interface | USB, Bluetooth |
| PC Card type | SD card |
| Applicablel standards | IEC61000-4-30 Class S |
| Power supply | AC100 - 240V (45 - 65Hz)/LR6×6 |
| Dimensions / Weight | 175(L)×120(W)×68(D)mm / 900g Approx. |

# LOGGERS

## KEW 5010

TRUE RMS

**3 channel inputs for the simultaneous recording of Leakage and Load Current**

| | 5010 |
|---|---|
| Recording mode | Normal, Trigger, Capture |
| Communication Interface | USB |
| Power supply | External supply DC9V/LR6×4 |
| Dimensions | 111(L)×60(W)×42(D)mm |
| Weight (Approx.) | 265g |

## KEW 5020

TRUE RMS

**3 channel inputs for the simultaneous recording of Leakage Current, Load Current and Voltage**

| | 5020 |
|---|---|
| Recording mode | Normal, Trigger, Capture, Power quality analysis |
| Communication Interface | USB |
| Power supply | External supply DC9V/LR6×4 |
| Dimensions | 111(L)×60(W)×42(D)mm |
| Weight (Approx.) | 265g |

# SENSORS

| | Load current | | | Load current(For Power Meter) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 8121 | 8122 | 8123 | 8124 | 8125 | 8126 | 8127 | 8128 | 8129 | 8130 |
| Appearance | | | | | | | | | | |
| Conductor size(MAX.mm) | ϕ24 | ϕ40 | ϕ55 | ϕ68 | ϕ40 | ϕ40 | ϕ24 | ϕ24 | ϕ150 | ϕ110 |
| Rated current(AC) | 100A | 500A | 1000A | 1000A | 500A | 200A | 100A | 50A | 3000A | 1000A |

| | Leakage current | | | Leakage & Load current | | | Voltage |
|---|---|---|---|---|---|---|---|
| | 8141 | 8142 | 8143 | 8146 | 8147 | 8148 | 8309 |
| Appearance | | | | | | | |
| Conductor size(MAX.mm) | ϕ24 | ϕ40 | ϕ68 | ϕ24 | ϕ40 | ϕ68 | - |
| Rated current(AC)/voltage(AC) | 1000mA | 1000mA | 1000mA | 30A | 70A | 100A | 600V |

**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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VEGETABLE OIL INK

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