KEW 6516/6516BT Specifications

Insulation resistance						SPD(Varistor)
	Test voltage		100V	250V	500V	1000V	Max.1000V
	Measuring ranges		2.000/20.00/200.0MΩ (Auto-ranging)		20.00/200.0/1000MΩ (Auto-ranging)	20.00/200.0/2000MΩ (Auto-ranging)	0-1000V(goes up by 1V)
	Accuracy		±2%rdg±6dgt (2.000/20.00MΩ) ±5%rdg±6dgt (200.0MΩ)		±2%rdg±6dgt (20.00/200.0MΩ) ±5%rdg±6dgt (1000MΩ)	±2%rdg±6dgt (20.00/200.0MΩ) ±5%rdg±6dgt (2000MΩ)	±5%rdg±5dgt
	Rated current		1.0-1.2mA @0.1MΩ	1.0-1.2mA @0.25MΩ	1.0-1.2mA @0.5MΩ	1.0-1.2mA @1MΩ	–
	Short circuit current		1.5mA max				–
Loop impedance							
	Function		LOOP ATT		LOOP HIGH		
			L-PE/L-N(3wire)	L-PE(2wire)	L-PE(0.01ΩRes)	L-PE(0.001ΩRes)	L-N/L-L
	Rated voltage		100-260V(50/60Hz)	48-260V(50/60Hz)	48-260V(50/60Hz)	100-260V(50/60Hz)	48-500V(50/60Hz)
	Impedance range		20.00/200.0/2000Ω (Auto-ranging)		20.00/200.0/2000Ω (Auto-ranging)	2.000Ω	20.00Ω
	Accuracy		±3%rdg±6dgt	±3%rdg±10dgt	±3%rdg±4dgt	±3%rdg±25mΩ	±3%rdg±4dgt
	Nominal test current at 0Ω external loop: Magnitude/Duration at 230V		L-N:6A/60ms N-PE:10mA	L-PE:15mA	20Ω:6A/20ms 200Ω:0.5A/20ms 2000Ω:15mA/500ms	25A/20ms	6A/20ms
PSC/PFC							
	Range		2000A/20kA(L-N(PSC)/L-PE(PFC))	2000A/20kA(PFC)	2000A/20kA(PFC)	2000A/50kA(PFC)	2000A/20kA(PSC)
	Accuracy		PSC/PFC accuracy is derived from measured loop impedance specification and measured voltage specification				
RCD							
	Rated voltage		100-260V(50/60Hz)				
	Function		x1/2, x1,x5,Ramp,Auto,Uc				
			6/10/30/100/300/500/1000mA/variable				
	RCD type		AC(G/S)	A(G/S)	F(G/S)	B(G/S)	EV
	Trip current setting	x1/2,x1,Uc	10/30/100/300/500/1000mA(G) 10/30/100/300/500mA(S)	10/30/100/300/500mA	10/30/100/300/500mA	10/30/100/300mA	6mA(×1 only)
		x5	10/30/100mA	10/30/100mA	10/30/100mA	10/30mA	–
		Ramp	10/30/100/300/500mA	10/30/100/300/500mA	10/30/100/300/500mA	10/30/100/300mA	6mA
	Accuracy (Trip current)	x1/2	-8% - -2%	-10% - 0%	-10% - 0%	-10% - 0%	–
		x1	+2% - +8%	0% - +10%	0% - +10%	0% - +10%	0% - +10%
		x5	+2% - +8%	0% - +10%	0% - +10%	0% - +10%	–
		Ramp	-4% - +4%	-10% - +10%	-10% - +10%	-10% - +10%	-10% - +10%
	Trip time	x1/2	2000ms(G/S):±1%rdg±2ms				–
		x1	550ms(G):±1%rdg±2ms,1000ms(S):±1%rdg±2ms				10.5s:±1%±2ms
		x5	410ms(G/S):±1%rdg±2ms				–

Continuity			
	Range		20.00/200.0/2000Ω (Auto-ranging)
	Open circuit voltage (DC)		7-14V
	Measuring current	200mA	>200mA or more(2Ω or less)
		15mA	15mA±3mA(short-circuit)
	Accuracy		±2%rdg±8dgt
Phase Rotation			
	Rated voltage		48-600V(50/60Hz)
	Remarks		Remarks Correct phase sequence: are displayed “1.2.3” and mark Reversed phase sequence: are displayed “3.2.1” and mark

Volts			
	Range		300.0/600V(Auto-ranging)
	Measuring ranges	Volts	2-600V
		Frequency	45-65Hz
	Accuracy	Volts	±2%rdg±4dgt
		Frequency	±0.5%rdg±2dgt
Earth			
	Range		20.00/200.0/2000Ω(Auto-ranging)
	Accuracy		±2%rdg±0.08Ω(20.00Ω) ±2%rdg±3dgt(200.0/2000Ω)

General		
	Applicable Standards	IEC 61010-1 CAT Ⅳ 300V,CAT Ⅲ 600V Pollution degree 2, IEC 61010-2-034, IEC 61557-1,2,3,4,5,6,7,10, IEC 60529(IP40), IEC 61326(EMC)
	Communication Interface	USB, Bluetooth® 5.0 LE(Bluetooth® Low Energy)*1 , Android™ 5.0 or more, iOS 10.0 or more
	Power source	LR6(AA)(1.5V) × 8
	Dimensions	136(L) × 235(W) × 114(D)mm
	Weight	1300g (including batteries.)
	Included Accessories	Main test lead*2, 7281(Test leads with remote control switch), 7246(Distribution board test lead), 7228A(Earth resistance test leads), 8041(Auxiliary earth spikes[2 spikes/1 set]) 9084(Soft case), 9142(Carrying case), 9151(Shoulder strap), 9199(Shoulder pad), LR6(AA) × 8, Instruction manual, 8212-USB(USB adaptor with "KEW Report(Software)")*3, Calibration certificate
	Optional Accessories	8212-USB(USB adaptor with"KEW Report(Software)")*3, 8259(Adapter for measurement terminal), 7272(Precision measurement Cord set), 8017A(Extension prod long)

*1 6516BT only
*2 7187A:British plug, 7218A:(EU)European SHUKO plug, 7221A(SA) South african plug, 7222A:(AU)Australian plug
*3 8212-USB : Standard accessory for 6516, optional accessory for 6516BT

Bluetooth is a trademark or registered trademark of Bluetooth SIG. Inc.
Android is a trademark or registered trademark of Google Inc.
iOS is a trademark or registered trademark of Cisco Technology, Inc. in the United States and other countries.

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 :

KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.
2-5-20, Nakane, Meguro-ku, Tokyo, 152-0031 Japan
Phone:+81-3-3723-0131
Fax:+81-3-3723-0152
E-mail:info-eng@kew-ltd.co.jp
www.kew-ltd.co.jp

● The contents of this leaflet are subject to change without notice.
KEW 6516/6516BT-1E Jun. 20 SS

NEW

Quality and reliability is our tradition
KYORITSU

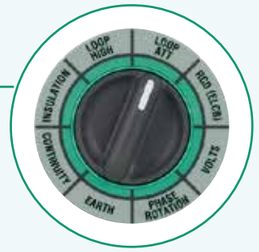
MULTIFUNCTON INSTALLATION TESTERS
KEW 6516/6516BT

KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.
www.kew-ltd.co.jp

KEW 6516/6516BT

A lot of Testing Power in the hands of Electrical Installation Professionals!

Operation in 3 simple steps



- *Set the rotary dial to your testing range.*
- *Connect the instrument to the installation under test.*
- *Press the test button.*

Hands free testing

By remote probe or using the Lockdown function of the test button.

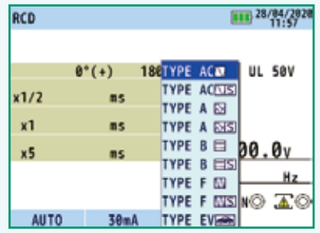
Touch pad to detect and indicating potential dangerous earth voltages.

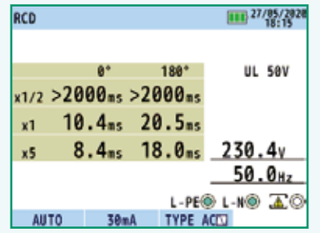
Large LCD

All the test data is shown in one large colored screen.

Wide variety of RCDs can be tested

Type AC, A, F, B (General & Selective) EV and Variable RCDs. Single and Auto test, Ramp test and Contact voltage.



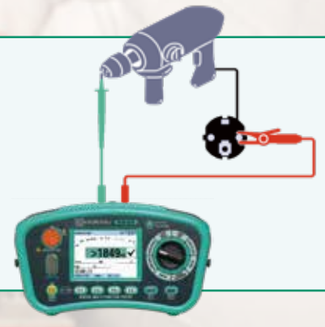


SPD test

SPD (Surge Protection Device) which contains varistor can be tested measuring the tripping voltage without damage it.

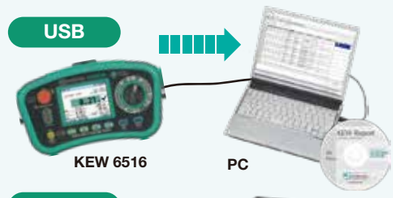
PAT test

PAT test (PAT = Portable Appliance Tester) It is possible to check the insulation resistance and earth bond continuity of portable appliances for class I and II.

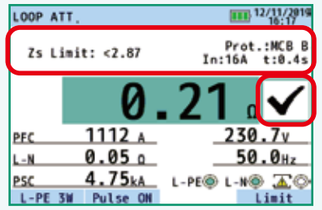


Connectivity

KEW 6516 can download the test data by connecting the USB adaptor (Model 8212-USB) and then print complete Test Reports by a PC. While KEW 6516BT can transfer the test data to a Tablet or Smartphone via Bluetooth. Such test data can be saved, shared and sent by email. The USB adaptor can also be ordered as an option.



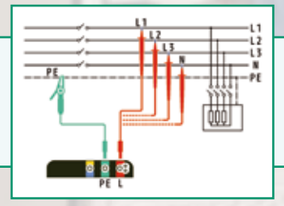
Zs/Ra Limit



The verification of safety requirement on an electrical installation is simplified by using Zs/Ra Limit function. This function will automatically check if the measured loop impedance for TN (or earth loop for TT) is low enough to trip (disconnect) the MCB / Fuse / RCD giving the result of PASS(✓) or FAIL (×) on the KEW 6516 display.

Anti-Trip Technology (with 2 & 3 wire)

For no trip LOOP L-PE testing on all RCDs.
With 3 wire (L, N, PE), to get the best accuracy readings.
With 2 wire only, very useful in case of no Neutral (i.e. 3-phase motor lines).

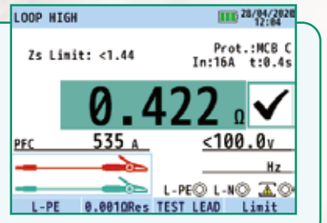


HELP Key

HELP function will show how to connect the instrument according to the function selected.

0.001 resolution

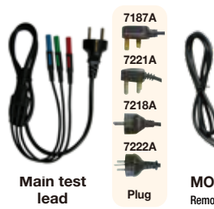
Thanks to high test current of 25A, the Loop Impedance Phase to Earth is measured with high resolution of 0.001 ohm. This can be useful when testing in the main switchboard closer to the transformer.



Loop test from a wall socket

Continuity check of equipotential bonding

Included accessories



Main test lead
Plug

MODEL 7281 Remote test lead
MODEL 7246 Distribution board test leads
MODEL 7228A Earth resistance tests lead Red 20m / Yellow 10m / Green 5m
MODEL 8041 Auxiliary earth spikes [2 spikes/1 set]

MODEL 8212-USB
Model 8212USB with PC Software "KEW Report" (Standard accessory for KEW 6516, optional for KEW 6516BT)

MODEL 9151 Shoulder strap
MODEL 9199 Shoulder pad

MODEL 9084 Soft case Test lead carry pouch

MODEL 9142 Carrying case

KEW 6516 and KEW 6516BT come complete with everything you need for testing an electrical installation

Optional Accessories

MODEL 7272 2 cord reels with test leads, 2 spikes, an earth test lead, an carrying case.

MODEL 8017A Extension prod long

MODEL 8259 Adapter for measurement terminal [red, yellow, green/1 set]

Diensten van EURO-INDEX

EURO-INDEX is fabrikant, importeur en distributeur van diverse A-merken op het gebied van test- en meetinstrumenten. Daarnaast leveren wij een groot aantal diensten om het gebruik van deze instrumenten in uw bedrijfsvoering te optimaliseren. Dit omvat uiteraard onderhoud, reparatie en kalibratie van de instrumenten, maar ook kennisdeling via EURO-INDEX Academy en verhuur van instrumenten.

Geautoriseerd Service Centrum

EURO-INDEX b.v. is van alle vertegenwoordigde merken een Geautoriseerd Service Centrum. Dit betekent dat uw instrumenten worden behandeld door technici die zijn opgeleid door de fabrikant en beschikken over de juiste gereedschappen en software. Er worden uitsluitend originele onderdelen toegepast en de garantie van uw instrument, evenals de certificering (ATEX, EN50379, etc.) blijven intact.

Kalibratielaboratorium

Het laboratorium in Nederland beschikt over een RvA accreditatie naar EN-ISO/IEC 17025. Deze accreditatie geldt voor grootheden, zoals gespecificeerd in de scope bij accreditatienummer K105. RvA kalibratiecertificaten zijn internationaal geaccepteerd en is gelijkwaardig aan BELAC.

Meer info

Mobiele Service

Naast de vaste kalibratielaboratoria in Zaventem en Capelle aan den IJssel beschikken wij ook over een laboratorium op wielen met de naam “Mobiele Service”. Dit biedt vertrouwde service en kwaliteit, bij u voor de deur!

Meer info

KWS®

KWS® is een uniek servicesysteem voor uw meetinstrumenten met periodiek onderhoud en kalibratie tegen vaste, lage kosten. Via een gratis webportal (mijnkws.be) heeft u altijd en overal beschikking over uw kalibratiecertificaten.

Meer info

Verhuur van meetinstrumenten

- Uitgebreid assortiment
- Nauwkeurigheid aantoonbaar door actueel kalibratiecertificaat
- Deskundig advies
- Complete levering inclusief accessoires

Meer info

EURO-INDEX Academy

- Trainingen, seminars en workshops
- Demonstratie- en instructievideo’s
- Application notes

Meer info

Servicebalie

Onderhoud, reparatie en kalibratie

Trainingen en seminars

Mobiele Service

Wijzigingen voorbehouden EURO-INDEX® VL 23001

EURO INDEX

BELGIË
Leuvensesteenweg 607
1930 Zaventem
T: 02 - 757 92 44
F: 02 - 757 92 64
sales@euro-index.be
www.euro-index.be

NEDERLAND
Rivium 2e straat 12
2909 LG Capelle a/d IJssel
T: +31 - (0)10 - 2 888 000
F: +31 - (0)10 - 2 888 010
verkoop@euro-index.nl
www.euro-index.nl

MANAGEMENTSYSTEEM CERTIFICATIE
DNV
ISO 9001