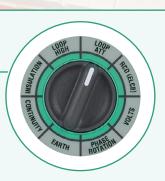


MULTI FUNCTION INSTALLATION TESTER KEW 6516 / 6516BT



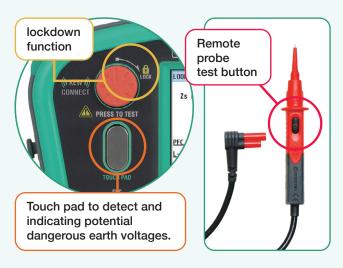
Operation in 3 simple steps

- 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.



Large LCD

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



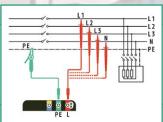


Anti-Trip Technology (with 2 & 3 wires)

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).

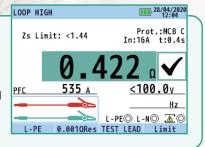


HELP Key

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

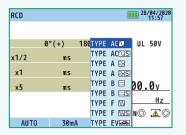


Continuity check of equipotential bonding

Testing Power in the hands of Electrical Installation Professionals!

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.



RCD			27/05/2020 18:15							
	0°	180°	UL 50V							
x1/2	>2000 _{ms}	>2000 _{ms}								
x1	10.4ms	20.5ms								
x5	8.4ms	18.0 _{ms}	230.4v							
			50.0нz							
L-PE⊚ L-N⊚ 🚠 ⊙										
AU	TO 30m	A TYPE	AC[\]							

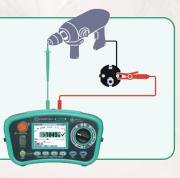
SPD test

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

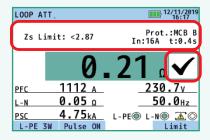


PAT test

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.



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(\checkmark) or FAIL (x) on the display.

Connectivity

KEW 6516 can download the test data by connecting the USB adapter (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 adapter can also be ordered as an option.



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

Accessories



Optional accessories



MODEL7272 Precision measurement cord set 2 cord reels with test leads, 2 spikes, an earth test lead, a carrying case. MODEL 8017A Extension prod long

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





KEW 8602 EVSE ADAPTER TYPE2 plug





MFT and EVSE ADAPTER Kits KEW 6516-EV2 : KEW 6516×1, KEW 8602×1 KEW 6516BT-EV2 : KEW 6516BT×1, KEW 8602×1

MULTI FUNCTION TESTER KEW 6516 / 6516BT Specification

lation resistant	ce								SPD(Varistor)	
Test voltage		100V 250V		500V			1000V	1000V max.		
Measuring ranges		$\begin{array}{c} \text{2.000/20.00/200.0M}\Omega\\ \text{(Auto-ranging)} \end{array}$			$\begin{array}{l} 20.00/200.0/1000 M\Omega \\ \text{(Auto-ranging)} \end{array}$		20.00/200.0/2000MΩ (Auto-ranging)	0 to 1049V(goes up by 1V)		
Accuracy		$\pm 2\%$ rdg ± 6 dgt (2.000/20.00M Ω) $\pm 5\%$ rdg ± 6 dgt (200.0M Ω)		±29 ±59	±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 to 1.2mA @0.1MΩ 1.0 to 1.2mA @0.25MΩ			1.0 to 1.2mA @0.5M Ω		1.0 to 1.2mA @1MΩ	_		
Short circuit of	current		1.5mA max.						-	
p impedance										
Function			LOOP ATT			P HIGH				
		L-PE/L-N(3-wire)	L-PE(2-wire)	L-PE(0.01ΩRes)			L-PE(0.001ΩRes)	L-N/L-L		
Rated voltage		100 to 260V(50/60Hz)	48 to 260V(50/60Hz)	•			100 to 260V(50/60Hz)	48 to 500V(50/60Hz)		
Impedance range		$20.00/200.0/2000\Omega$ (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 EV mode*1 Normal I N-PE:6mA Low I N-PE:4mA	L-PE:15mA	20Ω:6A/20ms 200Ω:0.5A/20ms 2000Ω:15mA/500ms			25A/20ms	6A/20ms		
:/PFC										
Range			2000A/20kA(L-N(PSC)/L-PE(PFC))	2000A/20kA(PFC)				2000A/50kA(PFC)	2000A/20kA(PSC)	
Accuracy		PSC/PFC accuracy is determined	· · · · · · · · · · · · · · · · · · ·	ecifica	tion and measur	red voltage sr	. ,			
)				, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
Rated voltage)		100 to 260V(50/60Hz)							
Function			x1/2, x1,x5,Ramp,Auto,Uc							
T direction			6/10/30/100/300/500/1000mA/variable							
RCD type			AC(G/S)	A(G/S)	F(G/S) B			B(G/S)	EV	
Trip current settin	etting	x1/2,x1,Uc	10/30/100/300/500/1000mA(G) 10/30/100/300/500mA(S)	10/30/100/300/500mA	1. (4.			10/30/100/300mA	6mA(×1 only)	
		x5	10/30/100mA					10/30mA	_	
		Ramp	10/30/100/300/500mA					10/30/100/300mA	6mA	
Accuracy	Trip current	x1/2	-8 to -2%	-10 to 0%					_	
/ loour doy	p carrone	x1	+2 to +8%	0 to +10%						
		x5	+2 to +8%	0 to +10%					_	
		Ramp	-4 to +4%	-10 to +10%						
	Trip time	x1/2	2000ms(G/S):±1%rdg±2ms						_	
		x1	550ms(G):±1%rdg±2ms,1000ms	(S):+1%rdn+2ms					10.5s:±1%±2ms	
		x5	410ms(G/S):±1%rdg±2ms	(0). ± 1 /01 dg ± £1110	<u> </u>				-	
tinuity		,.o	1.10.110(ca 0) 1.70.14g1.110		Volt	s				
Range			20.00/200.0/2000Ω (Auto-ranging)			Range 300.0/600V(Auto-rangin			n)	
Open circuit voltage (DC)		7 to 14V		Measuring ranges Volts		Volts	2 to 600V			
Measuring	ing 200mA 15mA		200mA or more(2Ω or less) 15mA±3mA(short-circuit) ±2%rdg±8dgt			Juounny rungoo	Frequency	45 to 65Hz		
current						Accuracy	Volts	±2%rdg±4dgt		
Accuracy					rioditady	, assuracy	Frequency	±0.5%rdg±2dgt		
se Rotation			1		Eart	h		1		
Rated voltage			48 to 600V(45 to 65Hz)		Range			20.00/200.0/2000Ω(Auto-ranging)		
Remarks			Correct phase sequence are displayed with "1, 2, 3" and arrow mark. Reverse phase sequence are displayed with "3, 2, 1" and arrow mark.			Accuracy		$\pm 2\%$ rdg $\pm 0.08\Omega(20.00\Omega)$		
								$\pm 2\%$ rdg ± 3 dgt($200.0/2000\Omega$)		
eral										
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*2								
Power source		LR6(AA)(1.5V) × 8								
Dimension			$136(L) \times 235(W) \times 114(D)mm$							
Weight		1350g (including batteries)								
Accessories		Mains test lead*3, 7281(Test leads with remote control switch), 7246(Distribution board test lead), 7228A(Earth resistance test leads), 8041(Auxiliary earth spikes[2spikes/1 8212-USB(USB adapter for 6516), 8923(Fuse[0.5A/600V]) × 1 (included), 1 (spare), 9084(Soft case), 9142(Carrying case), 9151(Shoulder strap), 9199(Shoulder pad), Batteries. Instruction manual								
710000001100			Batteries, Instruction manual	0020(1 000[0:0/10001]) // / (///////////////////////////////	, .	(3004(00	, o a o o o o o o o o o o o o o o o o o	(, 5,, (,	

^{*1} The following functions have been added to KEW 6516/6516BT main unit firmware version 2.10 or later.

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



Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely Safety Warnings: 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 inquiries or orders:



2-5-20, Nakane, Meguro-ku, Tokyo, 152-0031 Japan Phone:+81-3-3723-0131

Fax:+81-3-3723-0152

www.kew-ltd.co.jp