



KYORITSU KEW 6516 Multifunction Installation Tester Instruction Manual

[Home](#) » [KYORITSU](#) » KYORITSU KEW 6516 Multifunction Installation Tester Instruction Manual



Quality and reliability is our tradition

KYORITSU



MULTIFUNCTION INSTALLATION TESTER

KEW 6516 / 6516BT

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

Contents

- 1 KEW 6516 Multifunction Installation Tester
- 2 Communication interface KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD. www.kew-ltd.co.jp
- 3 Hands free testing
- 4 Large LCD
- 5 HELP Key
- 6 Zs/Ra Limit
- 7 Accessories
- 8 Documents / Resources

KEW 6516 Multifunction Installation Tester



Insulation	Loop	RCD
100/250/500/1000V	2/20/200/2000Ω	10/30/100/300/5
PSC	PFC	Earth
2000A/20kA	2000A/20kA 2000A/50kA	20/200/2000Ω
ACV	Continuity	Phase rotation
300/600V	20/200/2000Ω	
Frequency	SPD (Varistor)	PAT

Communication interface



KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.

www.kew-ltd.co.jp

Operation in 3 simple steps



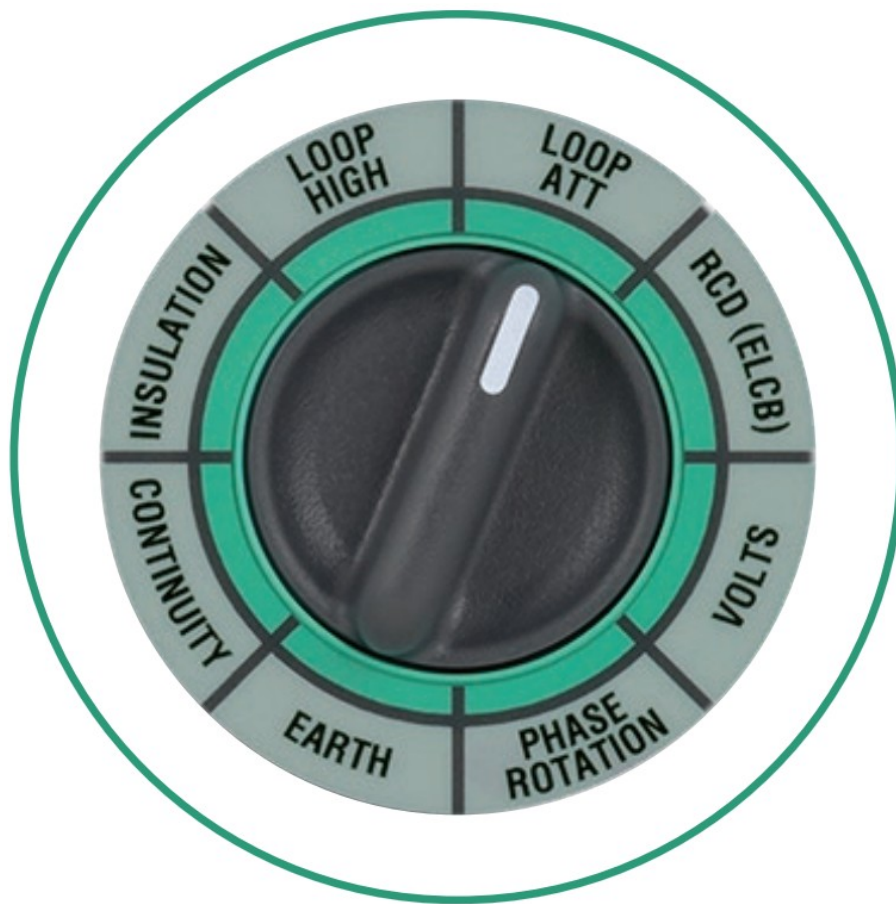
Set the rotary dial to your testing range.



Connect the instrument to the installation under test.

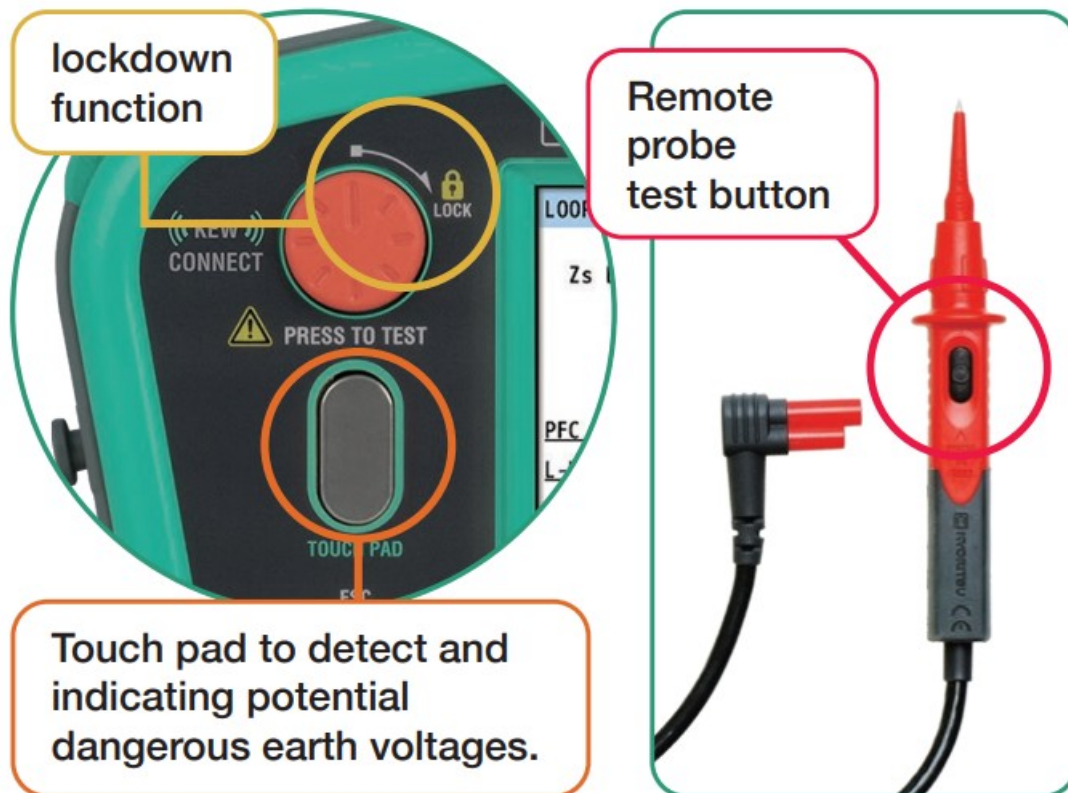


Press the test button.



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 wire)

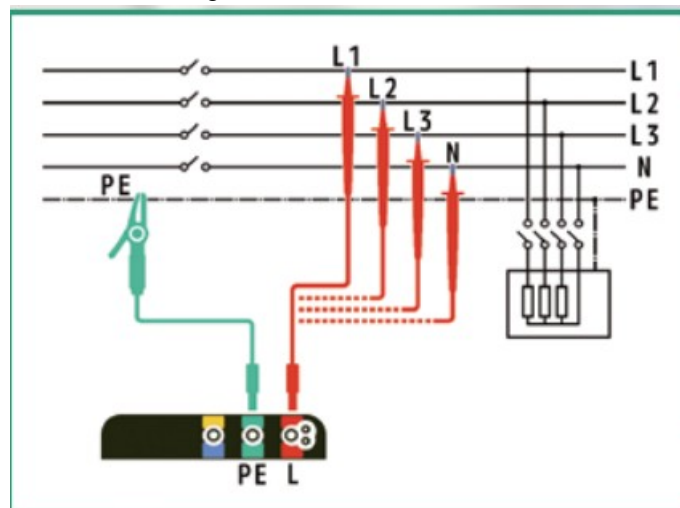
For no trip LOOP L-PE testing on all RCDs.

With 3wire (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 instrument according to how to connect the 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 HIGH

28/04/2020
12:04

Zs Limit: <1.44

Prot.: MCB C
In: 16A t: 0.4s

0.422 Ω ✓

PFC 535 A

<100.0V



Hz

L-PE ☐ L-N ☐  ☐

L-PE

0.0010Res

TEST LEAD

Limit



Loop test from a wall socket



Continuity check of equipotential bonding

Wide variety of RCDs can be tested

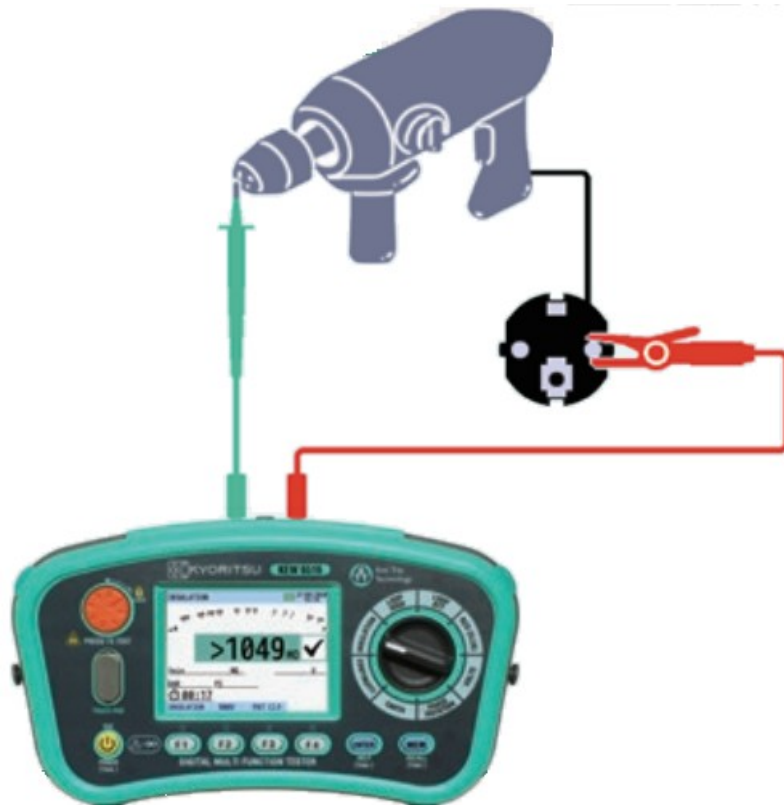
Type AC, A, F, B (General & Selective) EV and Variable RCDs. Single and Auto test, Ramp test and Contact voltage.

RCD				28/04/2020 11:57
0° (+)	180°	TYPE AC	UL 50V	
x1/2	ms	TYPE AC		
x1	ms	TYPE A		
x5	ms	TYPE A		
		TYPE B	00.0V	
		TYPE B		
		TYPE F		
		TYPE F		
AUTO	30mA	TYPE EV		

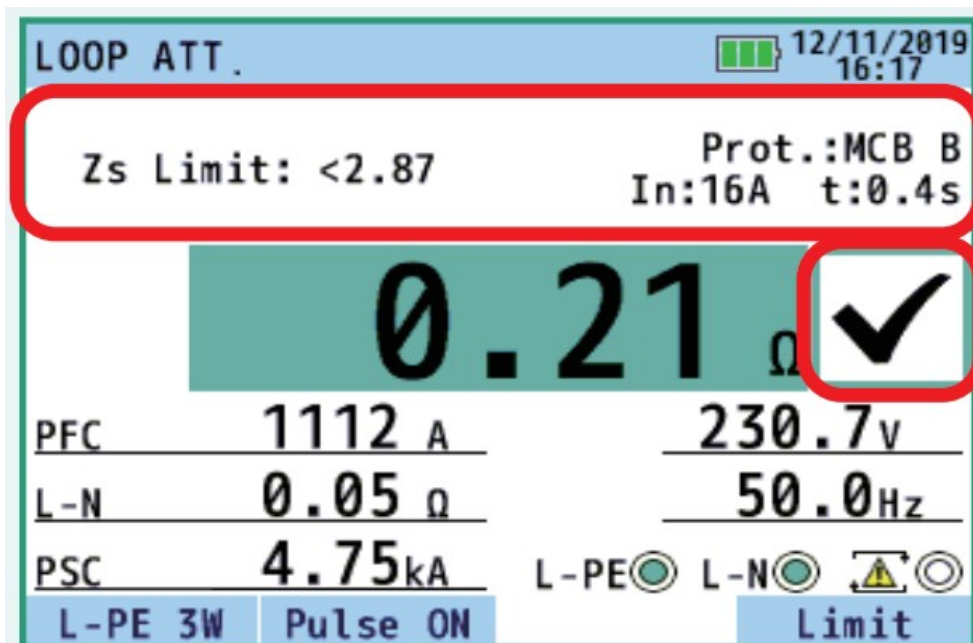
RCD				27/05/2020 18:15
0°	180°	UL 50V		
x1/2	>2000ms	>2000ms		
x1	10.4ms	20.5ms		
x5	8.4ms	18.0ms	230.4V	
			50.0Hz	
AUTO	30mA	TYPE AC		

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(v) or FAIL (x) on the display.

SPD test

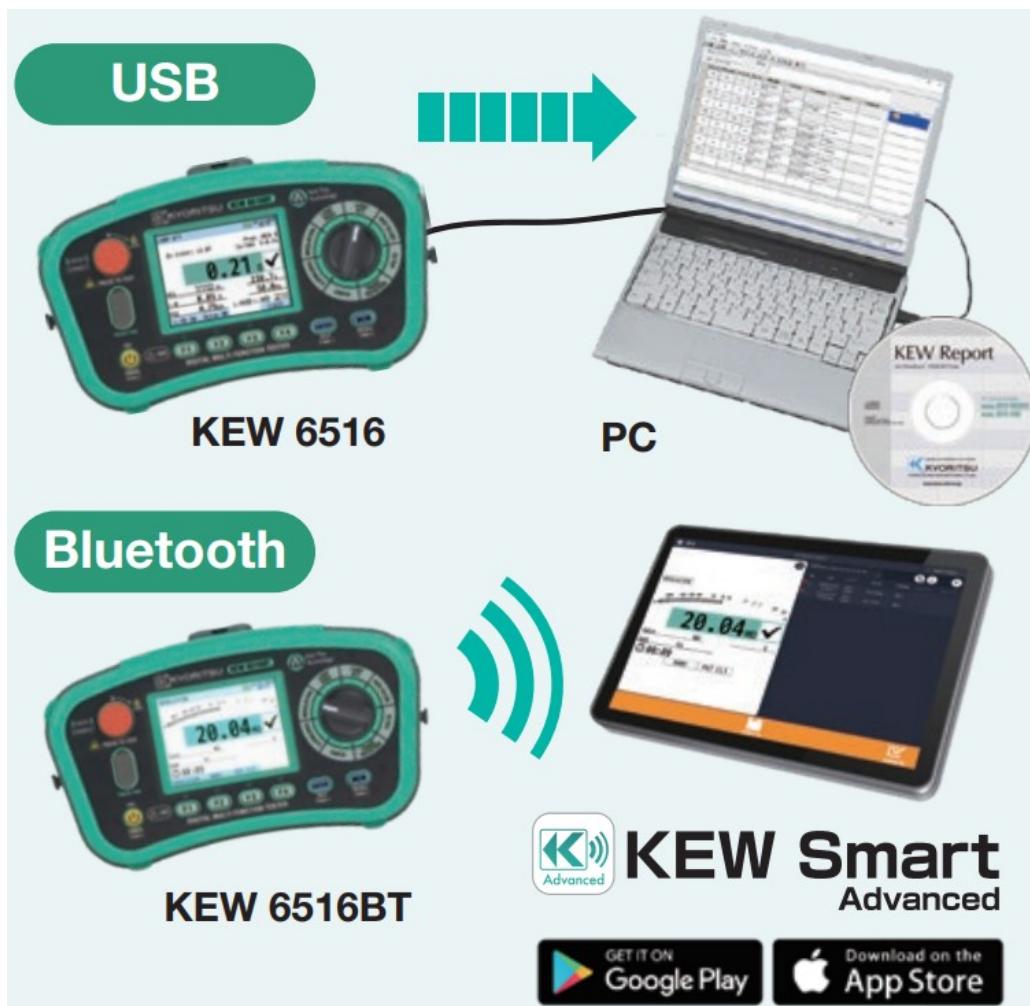
SPD (Surge Protection Device) which contains varistor can be tested measuring the tripping voltage without damage it.



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

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



MODEL 8259

Adapter for measurement terminal terminal [red, yellow, green/1 se] MFT and EVSE ADAPTER Kits

KEW 6516-EV2: KEW 6516×1, KEW 8802×1

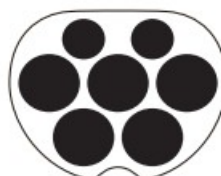
KEW 6516BT-EV2: KEW 6516BT×1, KEW 8602×1



KEW 8601
EVSE ADAPTER
TYPE1 plug




KEW 8602
EVSE ADAPTER
TYPE2 plug





Documents / Resources

	<p>KYORITSU KEW 6516 Multifunction Installation Tester [pdf] Instruction Manual</p> <p>KEW 6516 Multifunction Installation Tester, KEW 6516, Multifunction Installation Tester, Installat ion Tester, Tester</p>
---	---