



KYORITSU · INSTALLATION TESTERS · DATASHEET

Kyoritsu KEW 6514BT Multi Function Installation Tester

Model KEW 6514BT · Multi Function Installation Tester



Bluetooth multi function installation tester with 7 insulation test voltages (25–1000 V), earth, continuity, 2-wire loop, AC RCD and EVSE CP-signal tests.

Key features

- Insulation test at 25, 50, 100, 125, 250, 500 and 1000 V with automatic discharge
- Earth, continuity, motor rotation, 2-wire loop, RCD, phase rotation, frequency, AC V and SPD tests
- EVSE-dedicated tests: CP signal waveform check, latch locking and programmable auto test
- Colour LCD display with auto memory
- Bluetooth 5.0 and USB data transfer
- IEC 61010-1 CAT IV 300 V / CAT III 600 V; IEC 61557-1, 2, 3, 4, 5, 6, 7, 10

Price and availability

Ask Industrial Supply Syndicate for the current price, stock and a quotation with GST and freight. Call +91 8961089611 or WhatsApp +91 89610 89611.

Specifications

Insulation Resistance

Test voltage	25 V / 50 V / 100 V / 125 V / 250 V / 500 V / 1000 V
Ranges	25 V: 2.000 / 20.00 MΩ; 50 V, 100 V, 125 V: 2.000 / 20.00 / 200.0 MΩ; 250 V: 2.000 / 20.00 / 200.0 / 1000 MΩ; 500 V, 1000 V: 2.000 / 20.00 / 200.0 / 2000 MΩ (auto-ranging)
First effective range ($\pm 2\%$ rdg ± 2 dgt)	0.100 to 10.00 MΩ (25 V); 0.100 to 25.0 MΩ (50 V, 100–125 V); 0.100 to 50.0 MΩ (250 V); 0.100 to 100.0 MΩ (500 V); 0.100 to 1000 MΩ (1000 V)
Second effective range	0.050 to 0.099 MΩ (25 V): $\pm 2\%$ rdg ± 4 dgt; $\pm 5\%$ rdg: 10.01 to 18.00 MΩ (50 V), 25.1 to 180.0 MΩ (100–125 V), 50.1 to 180.0 MΩ (250 V), 100.1 to 900 MΩ (500 V), 1001 to 1800 MΩ (1000 V)
Rated current	1.0 to 1.2 mA at 0.025 MΩ (25 V), 0.05 MΩ (50 V), 0.1 MΩ (100 V), 0.125 MΩ (125 V), 0.25 MΩ (250 V), 0.5 MΩ (500 V), 1 MΩ (1000 V)
Short-circuit current	1.5 mA max

SPD (Varistor)

Test voltage	1000 V max
Range	0 to 1000 V (goes up by 1 V)
Accuracy	$\pm 5\%$ rdg ± 5 dgt



Earth Resistance	
Range	20.00 / 200.0 / 2000 Ω (auto-ranging)
Accuracy	$\pm 2\%$ rdg $\pm 0.08 \Omega$ (20.00 Ω); $\pm 2\%$ rdg ± 3 dgt (200.0 / 2000 Ω)
Loop Impedance	
L-PE (2-wire)	85 to 260 V (50/60 Hz); 200.0 / 2000 Ω ; $\pm 3\%$ rdg ± 10 dgt; measurement current L-PE 7 mA
Continuity	
Range	20.00 / 200.0 / 2000 Ω (auto-ranging)
Open-circuit voltage (DC)	7 to 14 V
Measuring current	200 mA or more (2 Ω or less)
Accuracy	$\pm 2.0\%$ rdg ± 8 dgt
RCD	
Rated voltage	85 to 440 V (50/60 Hz)
Functions	$\times 1/2$, $\times 1$, Ramp
Test current	15 / 30 / 50 / 100 / 200 / 500 mA
RCD type	AC (G)
Trip current accuracy	$\times 1/2$: -8 to -2%; $\times 1$: +2 to +8%; Ramp: -4 to +4%
Trip time accuracy	$\times 1/2$ and $\times 1$: $\pm 1\%$ rdg ± 2 ms
EVSE Function	
Vtop	2.0 to 15.0 V; ± 4 dgt
Vbase	-15.0 to -2.0 V; ± 4 dgt
Frequency	980 to 1020 Hz; $\pm 0.5\%$ rdg ± 4 dgt
Duty	10.0 to 96.0%; ± 10 dgt
Charging current	6.0 to 80.0 A; accuracy depends on duty cycle accuracy
Voltage & Frequency	
Range	300.0 / 600 V (auto-ranging); measuring range 2 to 600 V
Frequency range	45 to 65 Hz
Accuracy	Voltage $\pm 2\%$ rdg ± 4 dgt; frequency $\pm 0.5\%$ rdg ± 2 dgt
Phase & Motor Rotation	
Phase rotation range	3 to 600 V (45 to 65 Hz)
Motor rotation range	0.1 to 2 V (1 to 10 Hz)
Indication	Clockwise "1.2.3" with icon; counterclockwise "3.2.1" with icon
Safety	
Measurement category	IEC 61010-1, IEC 61010-2-030 CAT IV 300 V / CAT III 600 V, pollution degree 2
Standards	IEC 61010-2-034, IEC 61557-1, 2, 3, 4, 5, 6, 7, 10, IEC 60529 (IP40)



General

Communication interface	USB, Bluetooth® 5.0
Power source	LR6 (AA) (1.5 V) × 8
Dimensions	136 (L) × 235 (W) × 114 (D) mm
Weight	Approx. 1300 g (including batteries)

What's in the box

- Test leads with remote control switch (7281)
- Distribution board test lead (7247)
- Earth resistance test leads (7228A)
- Extension prod long (8017B)
- Auxiliary earth spikes (2 spikes / 1 set) (8041)
- Fuse [0.5 A / 600 V] (1 fitted, 1 spare) (8923) × 2
- Soft case (9084)
- Carrying case (9142)
- Shoulder strap (9151)
- Shoulder pad (9199)
- Batteries
- Instruction manual

Typical applications

- **Insulation Testing** – Seven insulation test voltages from 25 V to 1000 V, ranges up to 2000 MΩ.
- **Earth Resistance Testing** – Earth resistance up to 2000 Ω; earth leads and auxiliary spikes included.
- **Motor Testing** – Motor rotation check from 0.1 to 2 V (1 to 10 Hz) plus low-voltage insulation tests.

Official Kyoritsu documents

KEW 6514BT product catalogue (English) PDF · www.kew-ltd.co.jp

KEW 6514BT instruction manual (English) PDF · www.kew-ltd.co.jp

Order or ask for a quotation

Industrial Supply Syndicate supplies the Kyoritsu KEW 6514BT across India with a GST invoice. Tell us the quantity and delivery location; we reply with a quotation or proforma invoice including freight.

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