



KYORITSU · INSTALLATION TESTERS · DATASHEET

Kyoritsu KEW 6041BT Insulation Earth Tester

Model KEW 6041BT · Insulation Earth Tester



Palm-sized Bluetooth tester for insulation resistance (50–500 V), earth resistance up to 2000 Ω and AC/DC voltage up to 440 V, without separate leads.

Key features

- Three testing functions (insulation, earth, voltage) in a palm-sized tester
- Line voltage measurement up to 440 V AC/DC
- Earth test current of 2 mA or less prevents unintentional RCD trip
- Live circuit warning on insulation and earth functions
- Comparator function with audible warning
- Replaceable metal tips (4 types); settings customisable via app
- Bluetooth® 5.0 communication to save results on tablets or smartphones

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	
Rated voltage	50 V, 125 V, 250 V, 500 V
Range	2.000 / 20.00 / 200.0 M Ω (auto-ranging)
First effective range ($\pm 2\%$ rdg ± 2 dgt)	0.100 to 10.00 M Ω (50 V); 0.100 to 25.0 M Ω (125 V); 0.100 to 50.0 M Ω (250 V); 0.100 to 100.0 M Ω (500 V)
Mid-scale value	1 M Ω (50 V); 2 M Ω (125 V, 250 V); 5 M Ω (500 V)
Second effective range	0.050 to 0.099 M Ω : $\pm 2\%$ rdg ± 4 dgt; 10.01 to 200.0 M Ω (50 V), 25.1 to 200.0 M Ω (125 V), 50.1 to 200.0 M Ω (250 V), 100.1 to 200.0 M Ω (500 V): $\pm 5\%$ rdg
Other range	0.000 to 0.049 M Ω : $\pm 2\%$ rdg ± 6 dgt
Rated current	1.0 to 1.2 mA at 0.050 M Ω (50 V), 0.125 M Ω (125 V), 0.250 M Ω (250 V), 0.500 M Ω (500 V)
Open-circuit voltage	100 to 120% of rated voltage
Short-circuit current	1.5 mA or less
Earth Resistance	
Measuring range	200.0 / 2000 Ω (auto-ranging)
Accuracy	$\pm 3\%$ rdg ± 5 dgt
Output current	Approx. 1.6 mA (200 Ω range) / 825 Hz; approx. 0.7 mA (2000 Ω range) / 825 Hz



Voltage	
Measuring range	2.0 to 440.0 V AC / ± 2.0 to ± 440.0 V DC (AC/DC auto-detection: 2 V or higher)
Accuracy	$\pm 1\%$ rdg ± 4 dgt (AC); $\pm 1\%$ rdg ± 8 dgt (DC)
Safety	
Measurement category	IEC 61010-1, IEC 61010-2-030 CAT IV 150 V / CAT III 300 V, pollution degree 2
Standards	IEC 61010-2-034, IEC 61557-1, 2, 5, 10, IEC 60529 (IP40), IEC 61326-1, IEC 61326-2-2, IEC 61010-031
General	
Communication interface	Bluetooth® 5.0
Operating temperature and humidity	-10 to 50 °C, relative humidity 85% or less (no condensation)
Storage temperature and humidity	-20 to 60 °C, relative humidity 75% or less (no condensation)
Power source	LR6 (AA) (1.5 V) $\times$ 2
Dimensions	232 (L) $\times$ 51 (W) $\times$ 42 (D) mm (including the tip metal parts)
Weight	Approx. 230 g (including batteries)

What's in the box

- Test lead with alligator clip and flat test probe (7248)
- CAT II standard prod (8072A)
- Extension prod long (8017B)
- CAT III standard prod (8253)
- Carrying case (9161)
- Batteries
- Instruction manual

Typical applications

- **Insulation Testing** – Insulation tests at 50, 125, 250 and 500 V up to 200.0 M Ω with live circuit warning.
- **Earth Resistance Testing** – Earth resistance to 2000 Ω with ≤ 2 mA test current to avoid RCD trips.
- **Field Electrical Testing** – Palm-sized 230 g tester with Bluetooth result logging to phone or tablet.

Official Kyoritsu documents

[KEW 6041BT product catalogue \(English\)](#) PDF · www.kew-ltd.co.jp

[KEW 6041BT instruction manual \(English\)](#) PDF · www.kew-ltd.co.jp



Order or ask for a quotation

Industrial Supply Syndicate supplies the Kyoritsu KEW 6041BT 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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