



KYORITSU · INSTALLATION TESTERS · DATASHEET

Kyoritsu KEW 6024PV PV Insulation Earth Tester

Model KEW 6024PV · PV Insulation Earth Tester



Waterproof PV insulation and earth tester that measures insulation of solar arrays while they generate, plus 3/2-pole earth resistance and voltage.

Key features

- Insulation testing of PV arrays while generating, at 500 V / 1000 V
- Standard insulation test at 250 V / 500 V / 1000 V up to 2000 M Ω
- Earth resistance by voltamperometric method, 3-pole and 2-pole
- AC 5–600 V and DC $\pm$ 5–1000 V voltage measurement
- Memory for up to 1000 results; KEW Report analysis software available
- Waterproof IP54 design with backlit display and luminescent buttons
- Test probe with remote control switch supplied as standard

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

PV Insulation Resistance

Test voltage	500 V / 1000 V
Range (auto-ranging)	20.00 / 200.0 / 2000 M Ω
Accuracy at 500 V	$\pm$ 1.5% rdg $\pm$ 5 dgt (1.51–200.0 M Ω); $\pm$ 5% rdg $\pm$ 6 dgt (0.00–1.50 M Ω , 200.1–2000 M Ω)
Accuracy at 1000 V	$\pm$ 1.5% rdg $\pm$ 5 dgt (1.51–1000 M Ω); $\pm$ 5% rdg $\pm$ 6 dgt (0.00–1.50 M Ω , 1001–2000 M Ω)
Open circuit voltage	1 to 1.2 times
Short circuit current	1.5 mA or less

Insulation Resistance

Test voltage	250 V / 500 V / 1000 V
Range (auto-ranging)	20.00 / 200.0 / 2000 M Ω
Rated current	1.0 to 1.2 mA
First effective measuring range	$\pm$ 1.5% rdg $\pm$ 5 dgt: 1.51–100.0 M Ω (250 V), 1.51–200.0 M Ω (500 V), 1.51–1000 M Ω (1000 V)
Mid-scale value	50 M Ω
Second effective measuring range	$\pm$ 5.0% rdg $\pm$ 6 dgt: 1.20–1.50 M Ω and 100.1–2000 M Ω (250 V), 200.1–2000 M Ω (500 V), 1001–2000 M Ω (1000 V)
Open circuit voltage	1 to 1.2 times



Insulation Resistance (continued)	
Short circuit current	1.5 mA or less
Earth Resistance	
Range (auto-ranging)	20.00 / 200.0 / 2000 Ω
Accuracy	$\pm 3.0\%$ rdg $\pm 0.1 \Omega$ (20 Ω range); $\pm 3.0\%$ rdg ± 3 dgt (200 / 2000 Ω ranges)
Voltage	
Measuring range	AC 5 to 600 V (45 to 65 Hz); DC ± 5 to 1000 V
Accuracy	$\pm 1.0\%$ rdg ± 4 dgt
Safety	
Measurement category	IEC 61010-1 CAT IV 300 V / CAT III 600 V, pollution degree 2
Standards	IEC 61010-2-030, IEC 61010-2-034, IEC 61010-031, IEC 60529 (IP54), IEC 61557-1, 2, 5, 10, IEC 61326-1, 2-2
General	
Power source	LR6 (AA) (1.5 V) $\times$ 6
Dimensions	84 (L) $\times$ 184 (W) $\times$ 133 (D) mm
Weight	Approx. 900 g (including batteries)

What's in the box

- Test leads with remote control switch (7196B)
- Test lead with alligator clip (7244A)
- Extension prod long (8017)
- CAT II standard prod (8072)
- USB adapter (8212-USB)
- Soft case with shoulder strap (9156A)
- Battery (LR6 (AA)) $\times$ 6
- Instruction manual

Typical applications

- **Insulation Testing** – Tests PV array insulation at 500/1000 V while generating; standard 250–1000 V tests up to 2000 M Ω .
- **Earth Resistance Testing** – Measures earth resistance up to 2000 Ω by 3-pole or 2-pole voltamperometric method.
- **Field Electrical Testing** – IP54 waterproof case, 1000-result memory, runs on six AA cells.

Official Kyoritsu documents

[KEW 6024PV product catalogue \(English\)](#) PDF · www.kew-ltd.co.jp

[KEW 6024PV instruction manual \(English\)](#) PDF · www.kew-ltd.co.jp



Order or ask for a quotation

Industrial Supply Syndicate supplies the Kyoritsu KEW 6024PV 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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