



KYORITSU · INSTALLATION TESTERS · DATASHEET

Kyoritsu KEW 4506 Intelligent Socket Tester

Model KEW 4506 · Intelligent Socket Tester



Plug-in socket tester that checks voltage, wiring and polarity of a socket outlet in about 1 second, including hard-to-find N-E reverse faults.

Key features

- Checks voltage, wiring and polarity of L, N and E in about 1 second
- Detects N-E reverse connection on 3-pole sockets
- Low test current method avoids tripping RCDs
- Works on TT systems; TN-S with the optional KEW 8343 signal source
- AC voltage 80–290 V and N-E loop resistance up to 1999 Ω
- Backlight and automatic power-off

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

Socket Test

Measurable supply voltage	80 to 290 V rms (50/60 Hz); voltage warning at 253 V or higher, testing still possible
3-pole judgement	PASS; FAIL: L-N reverse, L-E reverse, N-E reverse, E not connected, N not connected, N-E unjudgeable, abnormal voltage
2-pole judgement	PASS; FAIL: L-N reverse, abnormal voltage

AC Voltage (L-N)

Range and accuracy	80 to 290 V rms (50/60 Hz); $\pm 2\%$ rdg ± 4 dgt
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Loop Resistance (N-E)

Range (auto-ranging)	200 Ω : 0.0 to 199.9 Ω ; 2000 Ω : 200 to 1999 Ω
Test current	200 Ω : 5 mA (5.3 Hz); 2000 Ω : 1 mA (5.3 Hz)
Accuracy	$\pm 3\%$ rdg ± 5 dgt

Safety

Measurement category	IEC 61010-1, IEC 61010-2-030 CAT II 300 V, pollution degree 2
Standards	IEC 60529 (IP40)

General

Operating temperature and humidity	-10 to 50 °C, RH 85% or less (no condensation)
Storage temperature and humidity	-20 to 60 °C, RH 85% or less (no condensation)
Supplied plug types	KAMP10 (AU): Australian; KAMP10 (EU): European Schuko; KAMP10 (UK): British 13 A; 7284: American NEMA



General (continued)

Power source	LR6 (AA) (1.5 V) × 2
Dimensions	212 (L) × 56 (W) × 39 (D) mm
Weight	Approx. 250 g (including batteries)

What's in the box

- Test lead with IEC connector (AU, EU Schuko or UK 13 A plug; 7284: American NEMA plug) (KAMP10 / 7284)
- Battery (LR6 (AA)) × 2
- Instruction manual
- Carrying case (9161)

Typical applications

- **Electrical Safety Testing** – Pass/fail wiring and polarity check of socket outlets, including N-E reversal.
- **Electrical Maintenance** – One-second plug-in test for routine socket checks without tripping RCDs.

Official Kyoritsu documents

[KEW 4506 product catalogue \(English\)](#) PDF · www.kew-ltd.co.jp

[KEW 4506 instruction manual \(English\)](#) PDF · www.kew-ltd.co.jp

Order or ask for a quotation

Industrial Supply Syndicate supplies the Kyoritsu KEW 4506 across India with a GST invoice. Tell us the quantity and delivery location; we reply with a quotation or proforma invoice including freight.

Phone +91 8961089611
WhatsApp +91 89610 89611
Email info@kyoritsumeters.in
Online kyoritsumeters.in/product/kyoritsu-kew-4506-socket-tester/
Address 54, Ezra Street, Kolkata, West Bengal 700000, India
GSTIN 19ACDPC1843J1ZR



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