



KYORITSU · DIGITAL MULTIMETERS · DATASHEET

Kyoritsu KEW 1051 True RMS Digital Multimeter

Model KEW 1051 · HSN 9030 3100 · True RMS Digital Multimeter



High-accuracy True RMS multimeter (0.09% basic DC V) rated CAT IV 600 V / CAT III 1000 V, with a low-pass filter for motor-drive work.

Key features

- Basic DC voltage accuracy $\pm 0.09\%$ rdg ± 2 dgt
- True RMS, 6000-count display with backlight
- Low-pass filter for motor-drive (inverter) measurements
- Temperature measurement -50 to 600 °C with an optional K-type probe
- Terminal shutter prevents wrong insertion into the current terminals
- Operating temperature -10 to 55 °C
- User calibration function
- IEC 61010-1 CAT IV 600 V / CAT III 1000 V

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

Voltage	
Detection	True RMS
DC V	600.0 mV / 6.000 / 60.00 / 600.0 / 1000 V (input impedance 10 M Ω ; 11 M Ω on 6 V); basic accuracy $\pm 0.09\%$ rdg ± 2 dgt
AC V	600.0 mV / 6.000 / 60.00 / 600.0 / 1000 V; basic accuracy $\pm 0.5\%$ rdg ± 5 dgt
Current	
DC A	600.0 / 6000 μ A / 60.00 / 440.0 mA / 6.000 / 10.00 A; basic accuracy $\pm 0.2\%$ rdg ± 2 dgt
AC A	600.0 / 6000 μ A / 60.00 / 440.0 mA / 6.000 / 10.00 A; basic accuracy $\pm 0.75\%$ rdg ± 5 dgt
Resistance & Continuity	
Resistance	600.0 Ω / 6.000 / 60.00 / 600.0 k Ω / 6.000 / 60.00 M Ω ; basic accuracy $\pm 0.4\%$ rdg ± 1 dgt
Continuity buzzer	600.0 Ω range; buzzer below 50 ± 30 Ω
Diode test	2.000 V $\pm 1\%$ rdg ± 2 dgt; open circuit voltage < 3.5 V (approx. 0.5 mA)
Other Functions	
Capacitance	10.00 / 100.0 nF / 1.000 / 10.00 / 100.0 / 1000 μ F; basic accuracy $\pm 2\%$ rdg ± 5 dgt
Frequency	10.00 Hz – 99.99 kHz; basic accuracy $\pm 0.02\%$ rdg ± 1 dgt



Other Functions (continued)

Temperature	-50 to 600 °C $\pm 2\%$ rdg ± 2 °C (with K-type probe)
Other	Data hold, auto hold, range hold, zero adjustment (capacitance, resistance), LCD backlight

Display & Safety

Display	6000 counts
Measurement category	IEC 61010-1 CAT IV 600 V / CAT III 1000 V, pollution degree 2
Standards	IEC 61010-031, IEC 61326-1 (EMC)
Operating temperature	-10 to 55 °C

General

Power source	R6/LR6 (AA, 1.5 V) $\times$ 4; auto power off approx. 20 minutes
Dimensions	192 (L) $\times$ 90 (W) $\times$ 49 (D) mm
Weight	Approx. 570 g (including batteries and blank cover)

What's in the box

- Test leads (7220A)
- Fuse 440 mA/1000 V (8926)
- Fuse 10 A/1000 V (8927)
- AA battery (R6/LR6) $\times$ 4
- Blank cover
- Instruction manual

Typical applications

- **Industrial Troubleshooting** – High basic accuracy, 1000 V ranges and CAT IV 600 V rating.
- **Motor Testing** – Low-pass filter for measurements on motor-drive (inverter) outputs.
- **Electrical Maintenance** – Voltage, current, resistance, capacitance, frequency and temperature in one meter.

Official Kyoritsu documents

[KEW 1051 product catalogue \(English\)](#) PDF · www.kew-ltd.co.jp

[KEW 1051 instruction manual \(English\)](#) PDF · www.kew-ltd.co.jp

Order or ask for a quotation

Industrial Supply Syndicate supplies the Kyoritsu KEW 1051 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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