



KYORITSU · DIGITAL MULTIMETERS · DATASHEET

Kyoritsu KEW 1052 True RMS Digital Multimeter

Model KEW 1052 · True RMS Digital Multimeter



Industrial True RMS digital multimeter with 0.09% basic DC accuracy, 6000 counts, low-pass filter, data memory and CAT IV 600 V rating.

Key features

- 0.09% basic DC accuracy with 6,000-count display
- True RMS or MEAN detection mode selectable
- Low-pass filter for motor drive measurements
- Internal memory: 1,600 data (logging), 100 data (manual); PC transfer via optional USB set 8241
- Terminal shutter prevents wrong lead insertion into current terminals
- Operating temperature range -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

Detection

Detection mode MEAN / True RMS (switch)

DC Voltage

Ranges and accuracy 600.0 mV / 6.000 / 60.00 / 600.0 / 1000 V (input impedance 10 M Ω [600 mV / 60 / 600 / 1000 V], 11 M Ω [6 V]); $\pm 0.09\%$ rdg ± 2 dgt (basic accuracy)

AC Voltage

True RMS 600.0 mV / 6.000 / 60.00 / 600.0 / 1000 V (input impedance 10 M Ω < 200 pF [600 mV], 11 M Ω < 50 pF [6 V], 10 M Ω < 50 pF [60 / 600 / 1000 V]); $\pm 0.5\%$ rdg ± 5 dgt (basic accuracy)

MEAN 600.0 mV / 6.000 / 60.00 / 600.0 / 1000 V (input impedance 10 M Ω < 200 pF [600 mV], 11 M Ω < 50 pF [6 V], 10 M Ω < 50 pF [60 / 600 / 1000 V]); $\pm 0.5\%$ rdg ± 5 dgt (basic accuracy)

DC Current

Ranges and accuracy 600.0 / 6000 μ A / 60.00 / 440.0 mA / 6.000 / 10.00 A; $\pm 0.2\%$ rdg ± 2 dgt (basic accuracy)

AC Current

True RMS 600.0 / 6000 μ A / 60.00 / 440.0 mA / 6.000 / 10.00 A; $\pm 0.75\%$ rdg ± 5 dgt (basic accuracy)



Resistance & Continuity

Resistance	600.0 Ω / 6.000 / 60.00 / 600.0 k Ω / 6.000 / 60.00 M Ω ; $\pm 0.4\%$ rdg ± 1 dgt (basic accuracy)
Continuity buzzer	600.0 Ω (buzzer turns on below 50 ± 30 Ω)
Diode test	2.000 V; $\pm 1\%$ rdg ± 2 dgt; open circuit voltage < 3.5 V (approx. 0.5 mA measuring current)

Capacitance, Frequency & Temperature

Capacitance	10.00 / 100.0 nF / 1.000 / 10.00 / 100.0 / 1000 μ F; $\pm 2\%$ rdg ± 5 dgt (basic accuracy)
Frequency	10.00 to 99.99 / 90.0 to 999.9 Hz / 0.900 to 9.999 / 9.00 to 99.99 kHz; $\pm 0.02\%$ rdg ± 1 dgt (basic accuracy)
Temperature	-50 to 600 $^{\circ}$ C; $\pm 2\%$ rdg ± 2 $^{\circ}$ C (with K-type temperature probe)

Functions

Other functions	Data Hold, Auto Hold, Range Hold, MAX, MIN, AVG, zero adjustment (capacitor, resistance), save to memory, LCD backlight
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Safety

Measurement category	IEC 61010-1 CAT IV 600 V / CAT III 1000 V, pollution degree 2
Standards	IEC 61010-031, IEC 61326-1 (EMC)

General

Power source	R6/LR6 (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)
- Batteries
- Instruction manual
- Blank cover

Typical applications

- **Industrial Troubleshooting** – True RMS/MEAN modes, 0.09% DC accuracy and data logging for plant fault-finding.
- **Motor Testing** – Low-pass filter for voltage measurements on motor drive (inverter) outputs.
- **Power Distribution** – Rated IEC 61010-1 CAT IV 600 V / CAT III 1000 V.

Official Kyoritsu documents

[KEW 1052 product catalogue \(English\)](#) PDF · www.kew-ltd.co.jp

[KEW 1052 instruction manual \(English\)](#) PDF · www.kew-ltd.co.jp



Order or ask for a quotation

Industrial Supply Syndicate supplies the Kyoritsu KEW 1052 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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