



## KYORITSU · DIGITAL MULTIMETERS · DATASHEET

# Kyoritsu KEW 1020R True RMS Digital Multimeter

Model KEW 1020R · True RMS Digital Multimeter



True RMS digital multimeter with 1000 V AC/DC ranges, 6000-count backlit display, clamp-sensor current input and CAT IV 300 V rating.

**Key features**

- True RMS measurement
- AC/DC voltage ranges to 1000 V
- 6000-count display with backlight
- Current measurement via external clamp sensor (60.00 / 200.0 A, sensor mode)
- MIN/MAX function
- Capacitance, frequency, duty, diode test and continuity buzzer
- IEC 61010-1 CAT IV 300 V / CAT III 600 V / CAT II 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

**DC Voltage**

**Ranges and accuracy** 6.000 / 60.00 / 600.0 / 1000 V (auto-ranging);  $\pm 0.5\%$  rdg  $\pm 3$  dgt (6 / 60 / 600 V),  $\pm 0.8\%$  rdg  $\pm 3$  dgt (1000 V)

**DC mV** 600.0 mV;  $\pm 1.5\%$  rdg  $\pm 3$  dgt

**AC Voltage**

**Ranges and accuracy** 6.000 / 60.00 / 600.0 / 1000 V (auto-ranging);  $\pm 1.0\%$  rdg  $\pm 3$  dgt [40 to 500 Hz] (6 / 60 / 600 V),  $\pm 1.3\%$  rdg  $\pm 3$  dgt [40 to 500 Hz] (1000 V)

**AC mV** 600.0 mV;  $\pm 2.0\%$  rdg  $\pm 3$  dgt [40 to 500 Hz]

**Current (Clamp Sensor)**

**DC clamp sensor** 60.00 / 200.0 A (auto-ranging);  $\pm 1.5\%$  rdg  $\pm 3$  dgt + sensor accuracy

**AC clamp sensor** 60.00 / 200.0 A (auto-ranging);  $\pm 2.0\%$  rdg  $\pm 3$  dgt + sensor accuracy [40 to 500 Hz]

**Resistance & Continuity**

**Resistance** 600.0  $\Omega$  / 6.000 / 60.00 / 600.0 k $\Omega$  / 6.000 / 40.00 M $\Omega$  (auto-ranging);  $\pm 0.5\%$  rdg  $\pm 4$  dgt (600  $\Omega$ ),  $\pm 0.5\%$  rdg  $\pm 2$  dgt (6 / 60 / 600 k $\Omega$  / 6 M $\Omega$ ),  $\pm 1.5\%$  rdg  $\pm 3$  dgt (40 M $\Omega$ )

**Continuity buzzer** 600  $\Omega$  (buzzer sounds below 90  $\Omega$ )

**Diode test** Open circuit voltage < 3.0 V

**Capacitance, Frequency & Duty**

**Capacitance** 60.00 / 600.0 nF / 6.000 / 60.00 / 600.0 / 1000  $\mu$ F;  $\pm 2.0\%$  rdg  $\pm 5$  dgt (60 / 600 nF),  $\pm 5.0\%$  rdg  $\pm 5$  dgt (6 / 60 / 600 / 1000  $\mu$ F)



## Capacitance, Frequency & Duty (continued)

Frequency 99.99 / 999.9 Hz / 9.999 / 99.99 kHz;  $\pm 0.1\%$  rdg  $\pm 3$  dgt

Duty 10.0 to 90.0%;  $\pm 1.0\%$  rdg  $\pm 3$  dgt [50/60 Hz]

## Safety

Measurement category IEC 61010-1 CAT IV 300 V / CAT III 600 V / CAT II 1000 V

Standards IEC 61010-2-033, IEC 61010-031, IEC 61326-2-2 (EMC), EN 50581 (RoHS)

## General

Power source R03 (1.5 V)  $\times 2$

Dimensions 155 (L)  $\times$  75 (W)  $\times$  40 (D) mm

Weight Approx. 250 g (including batteries)

## What's in the box

- Wing-type holder
- Test leads (7066A)
- Battery (1.5 V) (R03)  $\times 2$
- Instruction manual

## Typical applications

- **Electrical Maintenance** – True RMS AC/DC voltage to 1000 V; CAT IV 300 V / CAT III 600 V rated.
- **Electrical Panel Testing** – Panel current checks up to 200 A with optional KEW 8161 or KEW 8115 clamp sensor.

## Official Kyoritsu documents

[KEW 1020R product catalogue \(English\)](#) PDF · [www.kew-ltd.co.jp](http://www.kew-ltd.co.jp)

[KEW 1020R instruction manual \(English\)](#) PDF · [www.kew-ltd.co.jp](http://www.kew-ltd.co.jp)

## Order or ask for a quotation

Industrial Supply Syndicate supplies the Kyoritsu KEW 1020R 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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