

DIGITAL MULTIMETER KEW 1020R

1000V AC/DC ranges Safety Designed Multimeter

TRUERMS

DC/AC
1000V

CAT II
1000V

- Large display with 6000 counts and Backlight
- True-RMS
- MIN/MAX function
- Rugged and reliable
- Clamp sensor mode
- IEC61010-1
CAT IV 300V / CAT III 600V /
CAT II 1000V



CE

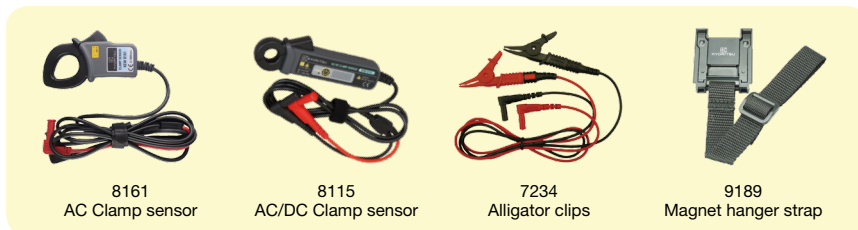
● KEW 1020R Specifications

DC V	6.000/60.00/600.0/1000V(auto range) ±0.5%rdg±3dgt(6/60/600V) ±0.8%rdg±3dgt(1000V)
DC mV	600.0mV ±1.5%rdg±3dgt
DC Clamp Sensor	60.00/200.0A(auto range) ±1.5%rdg±3dgt + Sensor accuracy
AC V	6.000/60.00/600.0/1000V(auto range) ±1.0%rdg±3dgt [40 - 500Hz] (6/60/600V) ±1.3%rdg±3dgt [40 - 500Hz] (1000V)
AC mV	600.0mV ±2.0%rdg±3dgt [40 - 500Hz]
AC Clamp Sensor	60.00/200.0A(auto range) ±2.0%rdg±3dgt + Sensor accuracy [40 - 500Hz]
Ω	600.0Ω/6.000/60.00/600.0kΩ/6.000/40.00MΩ (auto range) ±0.5%rdg±4dgt(600Ω) ±0.5%rdg±2dgt(6/60/600kΩ/6MΩ) ±1.5%rdg±3dgt(40MΩ)
Continuity buzzer	600Ω (Buzzer sounds below 90Ω)
Diode test	Open-loop voltage:<3.0V
Capacitance	60.00/600.0nF/6.000/60.00/600.0/1000μF ±2.0%rdg±5dgt(60/600nF) ±5.0%rdg±5dgt(6/60/600/1000μF)
Frequency	99.99/999.9Hz/9.999/99.99kHz ±0.1%rdg±3dgt
Duty	10.0 - 90.0% ±1.0%rdg±3dgt [50/60Hz]
Applicable standards	IEC 61010-1 CAT IV 300V / CAT III 600V / CAT II 1000V IEC 61010-2-033, IEC 61010-031, IEC 61326-2-2 (EMC) , EN 50581 (RoHS)
Power source	R03(1.5V)x2
Dimensions	155(L) x 75(W) x 40(D) mm
Weight	250g Approx. (including batteries)
Included Accessories	Wing-type holder, 7066A(Test leads), R03x2, Instruction manual
Optional Accessories	7234(Alligator clips), 8161(AC Clamp sensor), 8115(AC/DC Clamp sensor) 9189(Magnet hanger strap)

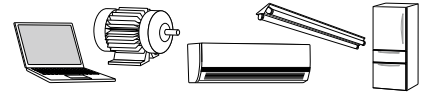
● Selection Guide

MODEL	NEW 1020R	NEW 1021R	1009	1011/1012	1051/1052	1061/1062
DC V	1000V	600V	600V	600V	1000V	1000V
AC A	—	✓	✓	✓	✓	✓
Delection method (TRUE RMS)	✓	✓	—	✓(1012)	✓	✓
Maximum count display	6000	6000	4000	6000	6000	50000
Back light	✓	✓	—	—	✓	✓
Measurement categories	CAT IV 300V CAT III 600V CAT II 1000V	CAT IV 300V CAT III 600V	CAT III 300V	CAT III 300V CAT II 600V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V

● Optional Accessories



True RMS function for accurate readings also in presence of modern loads such as LED lamps, motor inverters, PCs, TVs, Air conditioners, etc.



Waveform	True RMS type TRUE RMS	Averaging value type
	✓ correct reading	✓ correct reading
	✓ correct reading	higher reading
	✓ correct reading	lower reading
	✓ correct reading	lower reading

Magnet hanger strap for hands free operation



*Magnet hanger strap is Optional Accessory

● Included Accessories



! Safety Warnings : Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely for correct use. Failure to follow the safety rules can cause fire, trouble, electrical shock, etc. Therefore, make sure to operate the instrument on a correct power supply and voltage rating marked on each instrument.

**COSINUS Messtechnik - Ihr Partner für Messlösungen
in allen elektrischen und physikalischen Anwendungen**

COSINUS Messtechnik GmbH

Rotwandweg 4

82024 Taufkirchen

Tel.: 089 / 66 55 94 - 0

Fax: 089 / 66 55 94 -30

office@cosinus.de
www.cosinus.de