

DIGITAL MULTI METER SERIES KEW 1009 / 1011 / 1012

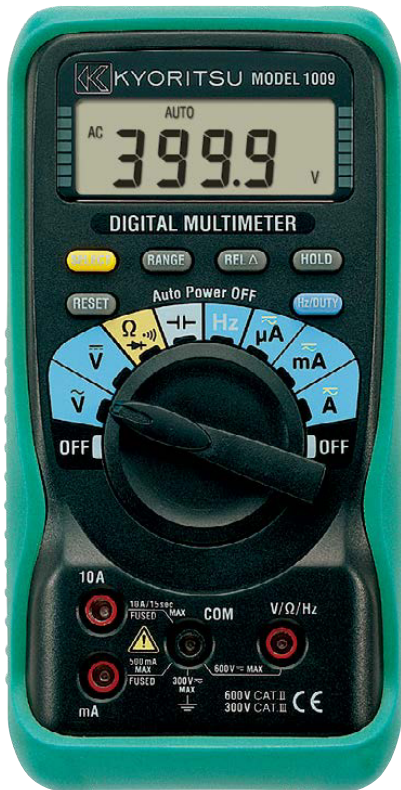


photo : 1009



photo : 1012



- Display : 3999 counts
- Auto-ranging and manual ranging selector provided (with range hold feature)
- Resistance range provides audible continuity test
- Automatically turns power off in about 30 minutes to conserve battery life
- Direct current measurement up to 10A AC and DC



- 6040 counts with Bar Graph display
- MIN/MAX function enables to record min & max value
- REL(relative value) function
- Temperature measurement, selectable for °C and °F (1011 only)
- True RMS can measure and indicate distorted waveforms (1012 only)
- DUTY measurement function



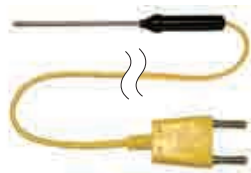
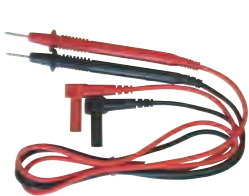
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	KEW 1012	KEW 1011	MODEL 1009
Specifications	  	  	 
DC V	600.0mV/6.000/60.00/600.0/600V (Input Impedance :10MΩ, 100MΩ only 600mV) ±0.5%±2dgt(600.0mV/6.000/60.00/600.0V) ±0.8%±3dgt(600V)		400mV/4/40/400/600V (Input Impedance :10MΩ) ±0.6%rdg±4dgt (400mV/4/40/400V) ±1.0%rdg±4dgt (600V)
AC V	6.000/60.00/600.0/600V (Input Impedance :10MΩ) ±1.5%±5dgt(6.000V) ±1.2%±3dgt(60.00/600.0V) ±1.5%±5dgt(600V)	6.000/60.00/600.0/600V (Input Impedance :10MΩ) ±1.0%±3dgt(6.000/60.00/600.0V) ±1.5%±3dgt(600V)	400mV/4/40/400/600V (Input Impedance :10MΩ) ±1.6%rdg±4dgt (20-400mV) ±1.3%rdg±4dgt (4/40V) ±1.6%rdg±4dgt (400V/600V)
DC A	600/6000μA/60/600mA/6/10A ±1.2%±3dgt(600/6000μA/60/600mA) ±2.0%±5dgt(6/10A)		400/4000μA/40/400mA/4/10A ±2.0%rdg±4dgt (400/4000μA) ±1.0%rdg±4dgt (40/400mA) ±1.6%rdg±4dgt (4A/10A)
AC A	600/6000μA/60/600mA/6/10A ±1.5%±4dgt(600/6000μA/60/600mA) ±2.2%±5dgt(6/10A)		400/4000μA/40/400mA/4/10A ±2.6%rdg±4dgt (400/4000μA) ±2.0%rdg±4dgt (40/400mA/4/10A)
Ω	600Ω/6/60/600kΩ/6/60MΩ ±1.0%±2dgt(600Ω/6/60/600kΩ/6MΩ) ±2.0%±3dgt(60MΩ)		400Ω/4/40/400kΩ/4/40MΩ ±1.0%rdg±4dgt (400Ω/4/40/400kΩ/4MΩ) ±2.0%rdg±4dgt (40MΩ)
Continuity buzzer	0-600Ω(Buzzer sounds below 100Ω)		0-400Ω (Buzzer sounds below 70Ω)
Diode Check	2.8V Release Voltage : Approx. 0.4mA Test Current		1.5V Release Voltage : Approx. 0.4mA Test Current
Capacitance	40/400nF/4/40/400/4000μF		40/400nF/4/40/100μF
Frequency	10/100/1000Hz/10/100/1000kHz/10MHz		5.12/51.2/512Hz/5.12/51.2/512kHz/5.12/10MHz
DUTY	0.1-99.9% (Pulse width/Pulse period) ±2.0%±2dgt (~10kHz)		0.1-99.9% (Pulse width/Pulse period) ±2.5%±5dgt
Temperature	—		—
Display	6040 Counts		3999 Counts
Withstand Voltage	AC3700V / 1 min.		
Applicable Standard	IEC61010-1 CAT.Ⅲ 300V Pollution degree 2 /CAT.Ⅱ 600V Pollution degree 2 IEC 61010-031 IEC 61326		IEC61010-1 CAT.Ⅲ 300V IEC61010-2-031 IEC61326
Power Source	R6P (1.5V)×2 (Auto-power-OFF within 15 minutes)		R6P (1.5V)×2
Dimensions	161 (L)×82 (W)×50 (D) mm		155 (L)×75 (W)×33 (D) mm
Weight	Approx. 280g		Approx. 260g
Accessories	KTL04 (Test Lead) 0.8A/600V (Ceramic Fuse)×1 built-in 10A/600V (Ceramic Fuse)×1 built-in R6P×2 Instruction Manual	KTL04 (Test Lead) 8216 (K-type Temperature probe) 0.8A/600V (Ceramic Fuse)×1 built-in 10A/600V (Ceramic Fuse)×1 built-in R6P×2 Instruction Manual	KTL04 (Test Lead) 8924 (0.5A/250V Ceramic Fuse)×1 built-in 8925 (10A/250V Ceramic Fuse)×1 built-in R6P×2 Instruction Manual

● Accessories

Test Lead MODEL KTL04 Temperature Probe MODEL 8216

Range : -50~300°C(-58~572°F)



Note : KEW1011 can measure max. 700°C
In order to measure over 300°C, please use a K-type temperature probe available in the market.

True RMS (Root Mean Square) Value Measurement

Due to the use of thyristors, inverters and other energy-saving controllers in recent electric wiring, current waveforms often include harmonic components and are distorted compared to sinusoidal waves (50/60Hz).

Compared to the true RMS value tester, 30~40% measurement values taken by the averaging value type may generate errors in some cases. (When the sinusoidal waves(50/60Hz) is not affected by the distortion, both averaging value type and true RMS value type will show almost the same value.)

Kyoritsu's True RMS type tester is able to measure the true RMS of the distorted waveforms since waveforms are being internally calculated continuously.

! 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 Messlösung
in allen elektrischen und physikalischen Anwendungen**

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