

MULTIMETERS



MODEL 1009

DC V AC V DC A AC A Ω Hz DUTY DATA HOLD REL AUTO POWER OFF

- Display : 4000 counts.
- Auto range and manual range 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.



KEW 1011/1012

1012 1011 DC V AC V DC A AC A Ω Hz DUTY DATA HOLD REL AUTO POWER OFF

- 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 (KEW 1011)
- True RMS can measure and indicate distorted waveforms (KEW 1012)
- DUTY function

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photo : 1012

	1009	1011	1012
DC V	400mV/4/40/400/600V $\pm 0.6\%rdg \pm 4dgt^*$	600.0mV/6.000/60.00/600.0/600V $\pm 0.5\% \pm 2dgt^*$	
AC V	400mV/4/40/400/600V $\pm 1.3\%rdg \pm 4dgt^*$	6.000/60.00/600.0/600V $\pm 1.0\% \pm 3dgt^*$	6.000/60.00/600.0/600V $\pm 1.2\% \pm 3dgt^*$
DC A	400/4000 μ A/40/400mA/4/10A $\pm 1.0\%rdg \pm 4dgt^*$	600/6000 μ A/60/600mA/6/10A $\pm 1.2\% \pm 3dgt^*$	
AC A	400/4000 μ A/40/400mA/4/10A $\pm 2.0\%rdg \pm 4dgt^*$	600/6000 μ A/60/600mA/6/10A $\pm 1.5\% \pm 4dgt^*$	
Ω	400 Ω /4/40/400k Ω /4/40M Ω $\pm 1.0\%rdg \pm 4dgt$	600 Ω /6/60/600k Ω /6/60M Ω $\pm 1.0\% \pm 2dgt^*$	
Continuity buzzer	400 Ω (Buzzer sounds below 100 Ω)	0 - 600 Ω (Buzzer sounds below 100 Ω)	
Diode test	1.5V Release Voltage : Approx. 0.4mA test current	2.8V release voltage : Approx. 0.4mA test current	
Capacitance test	40/400nF/4/40/100 μ F	40/400nF/4/40/400 μ F	
Frequency	5.12/51.2/512Hz/5.12/51.2/512kHz/5.12/10MHz	10/100/1000Hz/10/100/1000kHz/10MHz	
DUTY	0.1 - 99.9%(Pulse width/Pulse period) $\pm 2.5\% \pm 5dgt$	0.1 - 99.9%(Pulse width/Pulse period) $\pm 2.0\% \pm 2dgt$ (- 10kHz)	
Temperature	—	-50 - 300°C(-58 - 572°F)(with the use of Temperature probe 8216)	—
Applicable Standards	IEC 61010-1 CAT III 300V, IEC 61326-1	IEC 61010-1 CAT III 300V, CAT II 600V, IEC 61326	
Power source	R6(AA)(1.5V) $\times$ 2 (Auto power off : approx. 30 minutes)	R6(AA)(1.5V) $\times$ 2 (Auto power off : approx. 15 minutes)	
Dimensions	161(L) $\times$ 82(W) $\times$ 50(D)mm	161(L) $\times$ 82(W) $\times$ 50(D)mm	
Weight	280g approx.	280g approx.	
Accessories	7066A(Test leads), 8919(Ceramic fuse[10A/600V]) $\times$ 1, 8923(Ceramic fuse [0.5A/600V]) $\times$ 1, R6(AA) $\times$ 2, Instruction manual	7066A(Test leads), 8216(K-type temperature probe)(1011 Only), 8918(Ceramic fuse[0.8A/600V]) $\times$ 1 built-in, 8919(Ceramic fuse[10A/600V]) $\times$ 1 built-in, R6(AA) $\times$ 2, Instruction manual	
Optional	7234(Alligator clip), 9095(Carrying case)		

*Basic accuracy : For the detailed accuracy, please see our product catalog on our website.



KEW 1109S

DC V AC V DC A AC A Ω dB

- Mirrored scale for easy and accurate reading.
- Output terminal to cut off DC component when measuring AC voltage.
- Safety designed input terminals and test leads.

	1109S
DC V	0.1/0.5/2.5/10/50/250/1000V(20k Ω /V) $\pm 3\%$ of FS
AC V	10/50/250/1000V(9k Ω /V) $\pm 3\%$ of FS
DC A	50 μ A/2.5/25/250mA $\pm 3\%$ of FS
Ω	2/20k Ω /2/20M Ω $\pm 3\%$ of scale length
Decibel	-10 - +62dB
hFE	0 - 1000(Ω $\times$ 10) $\pm 3\%$ of scale length
Power source	R6(AA)(1.5V) $\times$ 2, 6F22(9V) $\times$ 1
Dimensions	150(L) $\times$ 100(W) $\times$ 47(D)mm
Weight	330g approx.
Accessories	7066A(Test leads), 8901(Fuse[0.5A/250V]) $\times$ 2, R6(AA) $\times$ 2, 6F22 $\times$ 1, Instruction manual
Optional	9168(Carrying case)



MODEL 1110

DC V AC V DC A AC A Ω $\bullet$ $^{\circ}$ C

- High sensitivity DC20k Ω /V.
- 1m drop-proof heavy duty design.
- Can measure line voltage up to AC 600V. (Voltage to ground MAX AC 300V) (Protected by 600V ceramic fuse against accidental overload)
- Continuity buzzer, battery check, LED check function.
- Skeleton type robust and clear case with carrying handle furnished as standard accessory.

	1110
DC V	0.3V(16.7k Ω /V) $\pm 3\%$ of FS 3/12/30/120/300/600V(20k Ω /V) $\pm 3\%$ of FS
AC V	12V(9k Ω /V) $\pm 4\%$ of FS 30/120/300/600V(9k Ω /V) $\pm 3\%$ of FS
DC A	60 μ A/30/300mA $\pm 3\%$ of FS
Ω	3/30/300k Ω $\pm 3\%$ of scale length
Continuity buzzer	Buzzer sounds below 100 Ω
Battery Test	1.5V(0.7 - 2V) $\pm 3\%$ of FS (10 Ω load)
Temperature	Note: The MODEL1110 includes a temperature measurement scale, but it is not available for new customers due to the discontinuation of the Temperature Probe 7060.
LED	10mA approx. at 0 Ω (at 3V of battery voltage)
Applicable Standards	IEC 61010-1 CAT III 300V /CAT II 600V, IEC 61326-1
Power source	R6(AA)(1.5V) $\times$ 2
Dimensions	140(L) $\times$ 94(W) $\times$ 39(D)mm
Weight	280g approx.
Accessories	7066A(Test leads), 8923(Fuse[500mA/600V]) $\times$ 2, R6(AA) $\times$ 2, 9103(Carrying case), Instruction manual

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