

NEW



HIGH PERFORMANCE AND WIDE RANGE DIGITAL MULTIMETER

- Display : 4000 counts
- Auto range and manual range selector provided. (with range hold feature)
- Diode test feature.
- Capacitance test feature.
- Relative measurement.
- 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.
- With Holster.
- Designed to international safety standard IEC61010-1 CAT.Ⅲ 300V.

CE

Specifications

DC V	400mV / 4 / 40 / 400 / 600V (Input Impedance 10MΩ) ±0.6%rdg±4dgt (400mV / 4 / 40 / 400V) ±0.1%rdg±4dgt (600V)
AC V	400mV / 4 / 40 / 400 / 600V (Input Impedance 10MΩ) ±1.6%rdg±4dgt (20—400mV) ±1.3%rdg±4dgt (4 / 40V) ±1.6%rdg±4dgt (400 / 600V)
Hz	5.12 / 51.2 / 512Hz / 5.12 / 51.2 / 512kHz / 5.12 / 10MHz
DC A	400 / 4000μA / 40 / 400mA / 4 / 10A ±2.0%rdg±4dgt (400 / 4000μA) ±1.0%rdg±4dgt (40 / 400mA) ±1.6%rdg±4dgt (4 / 10A)
AC A	400 / 4000μA / 40 / 400mA / 4 / 10A ±2.6%rdg±4dgt (400 / 4000μA) ±2.0%rdg±4dgt (40 / 400mA / 4 / 10A)
Ω	400Ω / 4 / 40 / 400kΩ / 4 / 40MΩ ±1.0%rdg±4dgt (400Ω / 4 / 40 / 400kΩ / 4MΩ) ±2.0%rdg±4dgt (40MΩ)
Diode Test	4V Release Voltage : Approx. 0.4mA Test Current
Capacitance Test	40nF / 400nF / 4μF / 40μF / 100μF
Continuity buzzer	400Ω (Buzzer sounds below 50Ω)
Withstand Voltage	3700V AC for 1 minute
Standard	IEC 61010-1 CAT.Ⅲ 300V IEC 61010-2-031 IEC 61326-1
Power Source	R6P(1.5V)×2
Dimensions	155(L)×75(W)×33(D)mm
Weight	260g approx.
Accessories	Test Leads, 0.5A / 250V fuse×1, 10A / 250V fuse×1 R6P×2, Instruction Manual

COMPACT DIGITAL MULTIMETER

MODEL 1009

Selection Guide of Multimeters

	Analogue Multimeters		Digital Multimeters										
MODEL	1109S	1110	1018 1018H	1019R	1020R	1021R	1030	1009	1011 1012	1051 1052	1061 1062	2000 2001	2012R
Appearance													
Detection method	MEAN	MEAN	MEAN	RMS	RMS	RMS	MEAN	MEAN	MEAN(1011) RMS(1012)	RMS(1051) RMS/MEAN (1052)	RMS(1061) RMS/MEAN (1062)	MEAN	RMS
Maximum count display	-	-	4000	6000	6000	6000	4000	4000	6000	6000	50000	3400	6000
DC Basic accuracy	±3% of FS	±3% of FS	0.8%	0.8%	0.5%	0.5%	0.8%	0.6%	0.5%	0.09%	0.02%	1.5%	1.0%
Frequency response	30 - 20kHz	50 - 5kHz	50 - 400Hz	45 - 500Hz	40 - 500Hz	40 - 500Hz	50 - 400Hz	50 - 400Hz	40 - 1kHz	40 - 1kHz	10 - 20kHz(1061) 10 - 100kHz(1062)	50 - 400Hz	45 - 400Hz
Measurement													
DCV	1000V	600V	600V	600V	1000V	600V	600V	600V	600V	1000V	1000.0V	600V	600V
Resolution	0.002V	0.005V	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.1mV	0.001mV	0.1mV	0.1mV
ACV	1000V	600V	600V	600V	1000V	600V	600V	600V	600V	1000V	1000.0V	600V	600V
Resolution	0.2V	0.2V	0.001V	0.001V	0.1mV	0.1mV	0.001V	0.1mV	0.001V	0.1mV	0.01mV(1061) 0.001mV(1062)	0.001V	0.001V
DCA	250mA	300mA	-	-	-	10A	-	10A	10A	10A	10A	60A(2000) 100A(2001)	120A
ACA	-	-	-	-	-	10A	-	10A	10A	10A	10A	60A(2000) 100A(2001)	120A
AC+DC	-	-	-	-	-	-	-	-	-	-	✓	-	-
Resistance	20MΩ	300kΩ	40MΩ	40MΩ	40MΩ	40MΩ	40MΩ	40MΩ	60MΩ	60MΩ	50MΩ	34MΩ	60MΩ
Continuity buzzer	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Battery test	-	✓	-	-	-	-	-	-	-	-	-	-	-
Dioed test	-	-	✓	-	✓	✓	✓	✓	✓	✓	✓	-	✓
Capacitance test	-	-	200μF	600μF	1000μF	1000μF	100μF	100μF	4000μF	1000μF	50mF	-	40μF
Frequency	-	-	10kHz	-	ACV 99.99kHz	ACA 9.999kHz ACV 99.99kHz	200kHz	10MHz	10MHz	99.99kHz	99.99kHz	ACA 10kHz ACV 300kHz	ACA 400Hz ACV 300kHz
Duty cycle ratio	-	-	✓	-	✓	✓	✓	✓	✓	-	✓	-	-
Temperature	-	✓	-	-	-	-	-	-	✓	✓	✓	-	-
Decibel	✓	-	-	-	-	-	-	-	-	-	✓	-	-
Low power-Ω	-	-	-	-	-	-	-	-	-	-	✓(1062)	-	-
Function													
Dual display	-	-	-	-	-	-	-	-	-	✓	✓	-	-
Bar graph	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓
Back light	-	-	-	-	✓	✓	✓	-	-	✓	✓	-	-
Data hold	-	-	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Auto hold	-	-	-	-	-	-	-	-	-	✓	✓	-	-
Peak hold	-	-	-	-	-	-	-	-	-	-	✓(1062)	-	-
Max/Min/Ave	-	-	-	-	✓(No Ave)	✓(No Ave)	-	-	✓(No Ave)	✓(1052)	✓	-	-
Relative	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
Manual memory	-	-	-	-	-	-	-	-	-	✓(1052)	✓	-	-
Logging memory	-	-	-	-	-	-	-	-	-	✓(1052)	✓	-	-
Communication	-	-	-	-	-	-	-	-	-	✓(1052)	✓	-	-
Other													
Operating temperature	0 - 40℃	0 - 40℃	0 - 40℃	0 - 40℃	0 - 40℃	0 - 40℃	0 - 40℃	0 - 40℃	0 - 40℃	0 - 40℃	-10 - 55℃	-20 - 55℃	0 - 40℃
Measurement categories	-	CAT Ⅲ300V CAT Ⅱ600V	CAT Ⅲ300V	CAT Ⅲ300V CAT Ⅱ600V	CAT Ⅳ300V CAT Ⅲ600V CAT Ⅱ1000V	CAT Ⅳ300V CAT Ⅲ600V	CAT Ⅲ600V	CAT Ⅲ300V	CAT Ⅲ300V CAT Ⅱ600V	CAT Ⅳ600V CAT Ⅲ1000V	CAT Ⅳ600V CAT Ⅲ1000V	CAT Ⅲ300V CAT Ⅱ600V	CAT Ⅲ300V CAT Ⅱ600V
Power source	R6x2, 6F22x1	R6 x 2	LR-44 x 2	CR2032x1	R03 x 2	R03 x 2	LR-44 x 2	R6 x 2	R6 x 2	R6 x 4	R6 x 4	R03 x 2	R03 x 2
Dimensions (L)x(W)x(D)mm	150x100x47	140x94x39	107x54x10	126x85x18	155x75x40 ^{*2}	155x75x35 ^{*1} 155x75x40 ^{*2}	190x39x31	161x82x50	161x82x50	192x90x49	192x90x49	128x84x24(2000) 128x92x27(2001)	128x92x27
Weight(Approx.)	330g	280g	70g	135g	250g	250g	100g	280g	280g	560g	560g	210g(2000) 220g(2001)	220g

*1 With flat-type holder
*2 With wing-type holder