

Data sheet

IDM 17

Pen-type Multimeter

FEATURE:

- 3200 count digital display
- 65 segment analog bargraph
- Autoranging and manual selection
- 0.7% basic DCV accuracy
- 1.5% basic ACV accuracy
- 1.0% basic Ohms accuracy
- 600V protection in every range
- Fast continuity beeper
- Data hold function
- Auto power off
- Standard “AAA” size batteries, long battery life
- Featured with standard 3/4” pitch input jacks
- Rugged construction with fire retardant, high-impact plastic case
- Soft carrying case included
- CAT.III 300V/CAT.II 600V Safety standard

SPECIFICATION:(All at 23°C ±5°C, ≤80% R.H.)

DC Voltage

Range	Resolution	Accuracy	Over Voltage Protection
300.0mV	100μV	±(0.7%+2dgt)	600V DC/ 600V rms
3.000V	1mV		
30.00V	10mV		
300.0V	100mV		
600V	1V		

Input Impedance: 10MΩ

AC Voltage

Range	Resolution	Accuracy	Over Voltage Protection
3.000V	1mV	±(1.7%+5dgt)	600V DC/ 600V rms
30.00V	10mV	±(1.7%+5dgt) 40Hz~500Hz	
300.0V	100mV		
600V	1V		

Input Impedance: 10MΩ // less than 100pF

Resistance

Range	Resolution	Accuracy	Overload Protection
300Ω	0.1Ω	±(1.2% + 4dgt)	600V DC or 600V rms
3KΩ	1Ω	±(1% + 2dgt)	

30KΩ	10Ω		
300KΩ	100Ω		
3MΩ	1KΩ	±(1.5% + 3dgt)	
30MΩ	10KΩ	±(3.0% + 5dgt)	

Open Circuit Voltage: 1.3V approx.

Diode & Continuity


Continuity Tester: <20Ω

Indicator: 2KHz tone buzzer

Test Current: 1.5mA max

Open Circuit Voltage: 3.3V max

General

Sampling Rate:	2 times/sec digital, 12 times/sec analog
Overload Indication:	“OL” or “OL”
Low Battery Indication:	
Auto Power Off:	Approx. 10 minutes after last operation
Operating Temperature:	0°C~30°C (≤ 80% R.H.), 30°C~40°C (≤ 75% R.H.), 40°C~50°C (≤ 45% R.H.)
Storage Temperature:	-20°C~60°C
Temperature Coefficient:	0.2×(spec. Acc’y)/°C <18°C, >28°C
Safety:	IEC 61010-1: CAT.III 300V, CAT.II 600V
Power Requirement:	Two 1.5V Alkaline type AAA batteries
Battery Life:	800 hours(Alkaline)
Size:	145mm(W)×42mm(L)×24mm(H) w/o probe
Weight:	112g w/o probe
Accessories:	Battery (installed) and User Manual