

Data sheet

IDM 5

Card Type Multimeter

FEATURE:

- 4000 count large scale digital display
- Auto ranging and manual selection
- Auto AC/DC Voltage selection
- Auto Resistance, Continuity, Capacitance and Diode selection
- Auto AC/DC 400.0 μ A and 400 μ A ranges
- 0.6% basic DCV accuracy
- Frequency counter
- Smart Data hold
- VoltSense™ function
- Mains Voltage Indicator
- Auto power off
- Shock proof from 4 feet drops
- Compact design on small size
- Integral safety test leads
- Deluxe carrying wallet included
- CAT.III 300V/CAT.II 600V Safety standard

SPECIFICATION:(All at 23°C \pm 5°C, \leq 80% R.H.)

DC/AC Voltage

Range	Input Impedance	Overload Protection	Accuracy
400.0mV~600V DC	10M Ω	600V	\pm (0.6%+2dgt)
400.0mV~600V AC	10M Ω // < 100pF	600V rms	\pm (0.9%+5dgt) 50Hz~500Hz

Resolution: 0.1mV

Conversion Type: Average sensing RMS indicating

DC/AC Current

Range	DC Accuracy	AC Accuracy
400.0 μ A, 4000 μ A	\pm (0.9%+5dgt)	\pm (0.9%+5dgt) 50Hz~500Hz

Resolution: 0.1 μ A

Input Protection: 600V or 600V rms

Conversion Type: Average sensing RMS indicating

Resistance

Range	Accuracy
400 Ω ~40.00M Ω	\pm (0.9% + 2dgt)

Resolution: 0.1 Ω

Overload Protection: 600V rms

Diode & Continuity

Continuity Beeper : <30Ω, 2KHz tone buzzer

Open circuit Voltage : 1.5V

Frequency

Range	Accuracy	Resolution
40Hz~4MHz	±(0.3% + 5dgt)	1Hz

Overload Protection: 600V rms

Duty Cycle

Range	Accuracy	Resolution
0.1%~99.9%	±(0.5% + 3dgt)	0.1%


Overload Protection: 600V rms

Capacitance

Range	Accuracy	Resolution
40nF~4mF	±(2.9% + 5dgt)	0.01nF

Overload Protection: 600V rms

General

Sampling Rate:	3 times/sec
Overload Indication:	“OL” or “OL”
Low Battery Indication:	
Auto Power Off:	Approx 20 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:	LR44 Button size 1.5V ×2 battery
Battery Life:	100hours
Size:	56mm(W)×112mm(L)×12mm(H)
Weight:	100g
Accessories:	Battery (installed), Integral Test Leads, Manual and Deluxe Carrying Wallet