

Data sheet

IDM 72

Digital Multimeter

FEATURE:

- 6000 count digital display
- Large scale display
- True RMS reading on AC mode
- 0.5% basic DCV accuracy
- Data hold
- Min/Max function
- Frequency counter
- Capacitance measurement
- Auto power off
- Shock proof from 4 feet drops
- Protective holster with tilt stand
- CAT.IV 600V/CAT.III 1000V Safety standard

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

DC/AC Voltage

Range	Input Impedance	Accuracy
600.0mV DC~1000V DC	10MΩ	±(0.5%+2dgt)
600.0mV AC~750V AC	10MΩ// < 100pF	±(0.9%+5dgt) 50Hz~500Hz

Resolution: 0.1mV

Overload Protection: DC 1000V or AC 750V rms

Conversion Type: Average sensing True-RMS indicating

DC/AC Current

Range	DC Accuracy	AC Accuracy	Voltage Burden
600.0μA	±(1%+2dgt)	N/A	<4mV /μA
6000μA			
6A		±(1.5%+5dgt) 50Hz~500Hz	2V max
10A			

Overload Protection: 10A/600V for μA input
600V rms for A input

Resistance

Range	Accuracy
600.0Ω	±(0.7%+2dgt)
6.000KΩ	
60.00KΩ	
600.0KΩ	
6.000MΩ	±(1%+2dgt)

60.00MΩ	±(1.5%+2dgt)
---------	--------------

Resolution: 0.1Ω

Overload Protection: 600V rms

Open Circuit Voltage: -1.3V approx.

Diode & Continuity

Continuity Beeper: <100Ω, 2KHz tone buzzer

Open Circuit Voltage: 3V max

Test Current: 1.5mA max

Frequency

Range	Sensitivity	Accuracy
6KHz	100mV rms	±(0.1%+1dgt)
60KHz		
600KHz		
6MHz	250mV rms	
60MHz	1V rms	

Resolution: 1Hz

Overload Protection: 600V rms

Capacitance

Range	Accuracy
6.000nF	±(1.9% + 8dgt)
60.00nF	
600.0nF	
6.000μF	
60.00μF	
600.0μF	
6.0mF	

Overload Protection: 600V rms

General

Sampling Rate:	1.5 times/sec
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:	0.15×(spec. Acc’y)/°C <18°C, >28°C
Safety:	IEC 61010-1: CAT.IV 600V/CAT.III 1000V
Power Requirement:	Two 1.5V Alkaline type AAA batteries
Battery Life:	300hours(Alkaline)
Size:	76mm(W)×158mm(L)×38mm(H), without holster 82mm(W)×164mm(L)×44mm(H), with holster
Weight:	400g with holster
Accessories:	Battery (installed), Test Leads, Protective Holster and User Manual