

# Data sheet

## IDM 62T

### Digital Multimeter

#### FEATURE:

- 2000 count large scale digital display
- Autoranging and manual selection ACV, DCV, Ohm, Continuity and Diode function
- 0.5% basic DCV accuracy
- Data hold
- VoltSense™ feature (None contact voltage detection)
- Auto power off (Disable)
- 10Amp ACA/DCA range
- MAX/MIN function key
- Frequency counter
- Capacitor measurement
- Shock proof from 4 feet drops
- Probe holder and tilt stand
- Soft grips of over molding
- CAT.III 600V/CAT.II 1000V Safety standard

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

#### DC/AC Voltage

Range	Input Impedance	Overload Protection	Resolution	Accuracy
200.0mV~1000V DC	10MΩ	1000V	0.1mV	±(0.5%+2dgt)
200.0mV~750V AC	10MΩ// < 100pF	750V rms	1mV	±(1.5%+5dgt) 50Hz~500Hz

**Conversion Type:** Average sensing RMS indicating

#### DC/AC Current

Range	DC Accuracy	AC Accuracy	Voltage Burden
2.0A	±(1.0%+3dgt)	±(1.5%+5dgt) 50Hz~500Hz *	2V max
10.0A **			

#### Overload Protection:

A input : 10A (500V) fast blow fuse

\* **AC Conversion Type:** Conversion type and additional specification are same as DC/AC Voltage.

#### \*\* Ampere Testing Duty Ratio Table

Ampere	Testing Time	Rest Time
10A	4min	10min
9A	5min	10min

8A	7min	10min
7A	10min	10min
6A	Continually	N/A

**Resistance**

Range	Accuracy	Voltage Burden
200.0Ω~ 200.0KΩ	±(0.7%+3dgt)	2V max
2.000MΩ	±(1.0%+3dgt)	
20.00MΩ	±(1.5%+3dgt)	

**Open Circuit Voltage:** -1.3V approx.

**Diode & Continuity**

Range	Resolution	Accuracy
9	10mV	±(1.5%+ 5dgt) For 0.4V ~ 0.8V

**Open Circuit Voltage:** 2V

**Max.Test Current:** 1.5mA

**Overload Protection:** 600V rms

**Frequency**

Range	Sensitivity
2000Hz~200.0KHz	>1.5Vac rms, <5Vac rms
2.0MHz~20MHz	>2Vac rms, <5Vac rms

**Overload Protection:** 600V rms

**Accuracy:** ±(0.01% + 1dgt)

**Minimum Pulse Width:** >25 ns

**Duty Cycle Limits:** >30% and <70%

**Capacitance**

Range	Accuracy
2nF~200μF	±(1.9%+8dgt)
2.00mF*	

\*< 10 dgt of reading rolling

**Overload protection:** 600 V rms

**Temperature(°C)**

Range	Accuracy
-20°C~0°C	±(2%+4°C)
1°C~100°C	±(1%+3°C)
101°C~500°C	±(2%+3°C)
501°C~800°C	±(3%+2°C)

**Overload protection:** 600 V rms

**Temperature(°F)**

Range	Accuracy
-4°F~32°F	±(2%+8°F)
33°F~212°F	±(1%+6°F)
213°F~932°F	±(2%+6°F)
933°F~1472°F	±(3%+4°F)

**Overload protection:** 600 V rms

**General**

<b>Sampling Rate:</b>	2 times/sec
<b>Overload Indication:</b>	“OL” or “-OL”

<b>Low Battery Indication:</b>	
<b>Auto Power Off:</b>	Approx. 10 minutes after last operation
<b>Operating Temperature:</b>	0°C~30°C (≤80% R.H.), 30°C~40°C (≤75% R.H.), 40°C~50°C (≤45% R.H.)
<b>Storage Temperature:</b>	-20°C~60°C
<b>Temperature Coefficient:</b>	0.2×(spec. Acc'y)/°C <18°C, >28°C
<b>Safety:</b>	IEC 61010-1: CAT.III 600V, CAT.II 1000V
<b>Power Requirement:</b>	Two 1.5V Alkaline type AA batteries
<b>Battery Life:</b>	250hours(Alkaline)
<b>Size:</b>	74mm(W)×156mm(L)×44mm(H)
<b>Weight:</b>	250g(Including battery)
<b>Accessories:</b>	Battery (installed), Test Leads, User Manual, Temp. Adaptor and Beep Probe