

# Data sheet

## IDM 67

### Digital Multimeter

#### FEATURE:

- 3200 count digital display
- 65 segment analog bargraph
- Autoranging and manual selection
- 0.7% basic DCV accuracy
- 1.7% basic ACV accuracy
- 1.2% basic DCA accuracy
- 1.7% basic ACA accuracy
- 0.9% basic Ohms accuracy
- 600V protection non-current ranges
- Beep Guard™ warning system
- Diode test
- Display hold function
- Auto power off
- MagilHolster™ feature
- CAT.II 600V Safety standard

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

#### DC Voltage

Range	Resolution	Accuracy	Over Voltage Protection
300mV	0.1mV	±(0.7%+2dgt)	600V DC or 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 or 600V rms
30.00V	10mV	±(1.7%+5dgt) 40Hz~500Hz	
300.0V	100mV		
600V	1V		

**Conversion Type:** Average sensing RMS indicating

**Input Impedance:** 10MΩ// less than 100pF

#### DC Current

Range	Resolution	Accuracy	Voltage Burden
300μA	0.1μA	±(1.2%+2dgt)	200mV max

3mA	1μA		2V max
30mA	10μA		200mV max
300mA	100μA		2V max
10A	10mA		±(2.5%+5dgt)

**Overload Protection:** 0.5A/250V fast for μ A/mA input

10A/250V fast for A input

**AC Current**

Range	Resolution	Accuracy	Voltage Burden
300μA	0.1μA	±(1.7%+4dgt)	200mV max
3mA	1μA		2V max
30mA	10μA		200mV max
300mA	100μA	±(2.0%+4dgt)	2V max
10A	10mA	±(2.0%+7dgt)	2V max

**Frequency Response:** 40Hz~500Hz

**Overload Protection:** 0.5A/250V fast for μ A/mA input

10A/250V fast for A input

**Conversion Type:** Average sensing RMS indicating

**Resistance**

Range	Resolution	Accuracy
400.0Ω	100mΩ	±(1.2%+4dgt)
4.000KΩ	1Ω	±(0.9%+2dgt)
40.00KΩ	10Ω	
400.0KΩ	100Ω	±(1.2%+3dgt)
4.000MΩ	1KΩ	
40.00MΩ	10KΩ	±(2.5%+5dgt)

**Overload Protection:** 600V DC or 600V AC rms

**Open Circuit Voltage:** 3.3V approx.

**Diode & Continuity**

**Continuity Beeper :** <50Ω, 2KHz tone buzzer

**Open Circuit Voltage :** 3.3V max

**Overload Protection:** 600V DC or 600V AC 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>	0.15×(spec. Acc’y)/°C <18°C, >28°C
<b>Safety:</b>	IEC 61010-1: CAT.II 600V, CAT.III 300V
<b>Power Requirement:</b>	Two 1.5V Alkaline type AAA batteries
<b>Battery Life:</b>	900hours(Alkaline)
<b>Size:</b>	85mm(W)×165mm(L)×40mm(H), with holster
<b>Weight:</b>	360g(Including battery)
<b>Accessories:</b>	Battery (installed), Holster, Test Leads and User

---

	Manual
--	--------