



Digital Multimeter w/ True RMS, Temperature and Capacitance



Functions

- True RMS
- 1000V AC/DC
- 10A AC/DC
- Capacitance seals 40.00nF to 100.0μF
- Frequency 10MHz
- Resistance
- Diode test
- Continuity
- Temperature range: -40° to 2372°F

Features

- All inputs, ranges and functions protected to CATIII 1000V
- 0.5% basic DC accuracy
- Auto ranging
- Access to battery and fuses without breaking calibration
- Data hold
- Relative mode
- Over molded case
- 5-Year limited warranty

Includes

- Test leads (ATL55)
- Alligator clips
- Battery (9V)
- Fuses (AF38/ AF39)
- K-Type temperature probe (ATT29)
- K-Type temperature adapter (ATT70)
- Manual (DM391/393 MAN)





Specifications

DC Volts

Range	Resolution	Accuracy
400mV	100µV	0.5%+2
4V	1mV	
40V	10mV	
400V	100mV	
1000V	1V	0.75%+3

NMRR : >60db @ 50/60 Hz

CMRR (COMMON MODE REJECTION RATIO) : >120 db @ DC, 50/60 Hz, Rs=1kΩ

Input Impedance : 10MΩ, 30 pF nominal (50 MΩ, 100 pF nominal for 400 mV range)

AC Volts

Range	Resolution	Accuracy
400mV	100µV	2.0%+10
4V	1mV	
40V	10mV	0.75%+3 (40-400Hz)
400V	100mV	
1000V	1V	1.0%+5 (40-400Hz) 2.0% + 3 (400Hz-1kHz)

CMRR (COMMON MODE REJECTION RATIO) : >60db @ DC Hz, Rs = 1 kΩ

Input Impedance : 10MΩ, 30 pF nominal (50 MΩ, 100 pF nominal for 400 mV range)

DC Current

Range	Resolution	Accuracy
400µA	0.1µA	1.0%+2
4000µA	1µA	
40mA	10µA	
400mA	100µA	
4A	1mA	1.5%+5
10A	10mA	

AC Current

Range	Resolution	Accuracy
400µA	0.1µA	1%+5 (40-400Hz)
4000µA	1µA	
40mA	10µA	
400mA	100µA	
400mA	1mA	1.5%+5 (400Hz-10kHz)
4A-10A	10mA	1.5%+10 (40-400Hz) 1.5%+5 (400Hz-10kHz)

Resistance

Range	Resolution	Accuracy
400Ω	0.1Ω	1.0% + 5
4000Ω	1Ω	
40kΩ	10Ω	
400kΩ	100Ω	.5% + 3
4MΩ	1kΩ	1.0% + 5
10MΩ	10kΩ	1.5% + 5

Continuity

Beeper sounds between <10Ω and >60Ω

Capacitance

Range	Resolution	Accuracy
40nF	10pF	2.5% + 10
400nF	100pF	
4µF	1nF	
40µF	10nF	
100µF	100nF	

Frequency

Range	Resolution	Accuracy
5Hz	0.001Hz	0.05% + 3
50Hz	0.01Hz	
500Hz	0.1Hz	
5kHz	1Hz	
50kHz	10Hz	
500kHz	100Hz	
5MHz	1kHz	
10MHz	10kHz	

Temperature

Range	Resolution	Accuracy
-40°C to -10°C	1°C	3% ± 5°C
(-40°F to 14°F)	1°F	(3% ± 5°F)
-10°F to 400°F	1°C	1% ± 3°C
(14°F to 752°F)	1°F	(1% ± 3°F)
400°C to 1300°C	1°C	3% of reading
(752°F to 2372°F)	1°F	(3% of reading)

Frequency Counter Sensitivity

Range Minimum Sensitivity (RMS Sine Wave)		
40Hz - 10kHz	10Hz - 20kHz	
V (4V - 1000V)	500mV	500mV
µA (400µA - 4mA)	>15% F.S. of AC Range	Not Specified
mA (40mA - 400mA)	>15% F.S. of AC Range	Not Specified
A (4.0A - 10A)	>45% F.S. of AC Range	Not Specified

Burden Voltage

Function	Range	Burden Voltage(Typical)
mA/µA	400µA	150µV/µA
	4000µA	150µV/µA
	40mA	3.3mV/mA
	400mA	3.3mV/mA
A	4A	0.03V/A
	10A	0.03V/A

Downloads



Manual



Data Sheet

H26-167



Made in KOREA