



Digital Multimeter

M65 (TRMS) Precise & Dual Display

FEATURES

- 6000 counts LCD dual display with white backlit
- Robust and Sturdy casing
- 0.25% basic accuracy
- 0.1μA to 10A AC/DC Current measurements
- Capacitance measurement up to 60mF with Auto discharge
- Functions: Auto Polarity, REL, MAX/MIN and Hz/Duty cycle, Diode, "LOBAT" indication & Auto Power off
- Analog Indication by 60 position Bar graph
- Response time: 2.8 times per sec.
- Ingress Protection IP 54
- CAT III 1000V

DC Voltage

Range	Resolution	Accuracy (Rdg% + Digit)
6 V	1 mV	$\pm(0.25\% + 3)$
60 V	10 mV	$\pm(0.25\% + 3)$
600 V	100 mV	$\pm(0.25\% + 3)$
1000 V	1 V	$\pm(0.5\% + 3)$

Overload protection : 1050V DC/ AC rms
Input impedance: 10M Ω approx.

AC Voltage (50Hz - 500Hz) Trms

Range	Resolution	Accuracy (Rdg% + Digit)
6 V	1 mV	$\pm(1\% + 5)$
60 V	10 mV	$\pm(1\% + 5)$
600 V	100 mV	$\pm(1\% + 5)$
1000 V	1 V	$\pm(1.2\% + 8)$

Overload protection : 1050V DC/ AC rms
Input impedance: 10M Ω approx. shunted by 60pF approx

DC Current

Range	Resolution	Accuracy (Rdg% + Digit)	Overload fuse protection
600 μ A/6000 μ A	0.1 μ A/1 μ A	$\pm(1.2\% + 5)$	0.8A/250V DC/ AC
60 mA/600mA	10 μ A/100 μ A	$\pm(1.5\% + 5)$	
10A	10mA	$\pm(1.5\% + 8)$	20A/250V DC/ AC

AC Current range (50Hz-500Hz) Trms

Range	Resolution	Accuracy (Rdg% + Digit)	Overload fuse protection
600 μ A/6000 μ A	0.1 μ A/1 μ A	$\pm(1.5\% + 5)$	0.8A/250V DC/ AC
60 mA/600mA	10 μ A/100 μ A	$\pm(1.8\% + 5)$	
10A	10mA	$\pm(2.0\% + 8)$	20A/250V DC/ AC

Capacitance

Range	Resolution	Accuracy (Rdg% + Digit)	Overload protection
6nF	0.001nF	$\pm(5.0\% + 10)$	440V DC/ AC rms
60nF	0.01nF	$\pm(3.0\% + 10)$	
600nF	0.1nF	$\pm(3.0\% + 10)$	
6 μ F	1nF	$\pm(3.0\% + 10)$	
60 μ F	10nF	$\pm(3.0\% + 10)$	
600 μ F	100nF	$\pm(5.0\% + 10)$	
6mF	1 μ F	$\pm(5.0\% + 20)$	
60mF	10 μ F	$\pm(5.0\% + 30)$	

Duty cycle

Range	Resolution	Accuracy (Rdg% + Digit)	Overload protection
1.00% - 98.9%	0.1%	$\pm(0.5\% + 30)$	440V DC/ AC rms

Test	Range	Resolution	Open Ckt. Voltage	Test Current
Diode	6V	1 mV	$\leq 3.0V$ DC approx.	≤ 2 mA approx.
Continuity	600.0 Ω	0.1 Ω	-3.3V DC approx.	-

Resistance

Range	Resolution	Accuracy (Rdg% + Digit)	Overload protection
600 Ω	0.1 Ω	$\pm(0.5\% + 3)$	440V DC/ AC rms
6K Ω	1 Ω	$\pm(0.5\% + 3)$	
60K Ω	10 Ω	$\pm(0.5\% + 3)$	
600 K Ω	100 Ω	$\pm(0.5\% + 3)$	
6M Ω	1 k Ω	$\pm(1.0\% + 5)$	
60M Ω	10 k Ω	$\pm(3\% + 10)$	

Frequency

Range	Resolution	Accuracy (Rdg% + Digit)	Overload protection
60 Hz	0.01 Hz	$\pm(0.5\% + 3)$	440V DC/ AC rms
600 Hz	0.1 Hz	$\pm(0.5\% + 3)$	
6 KHz	1 Hz	$\pm(0.5\% + 3)$	
60 KHz	10 Hz	$\pm(0.5\% + 3)$	
600 KHz	100 Hz	$\pm(0.5\% + 3)$	
6 MHz	1 KHz	$\pm(0.5\% + 3)$	
60 MHz	10 KHz	$\pm(0.5\% + 3)$	

Note : If input frequency is less than 6.0Hz
display will show 0.00Hz.

Environmental

Operating Temperature : 0°C to 50°C
Storage Temperature : -20°C to 60°C
Relative Humidity : 80% RH @ 5°C to 31°C ,
50% RH @ 31°C to 40°C
Non-condensing

Safety

CE Certifications : LVD:2006/95/EC
EMC: 2004/104/EC
Standard: IEC61010-1:2010
EN61326-1:2006
IP Rating : IP 54 (Dust & water)
Protection : CAT III, 1000V

Notes

1. The Instrument is accompanied with Test & calibration sheet. 2. Test Facilities can be provided at the factory with the available test set-ups only. 3. The company's policy is continuous improvement of its products. We therefore reserve the Right of any deviation from illustration or specifications without notice. 4. Stated accuracies are valid from 10% of the range to 95% of the range. 5. Accuracy Specified for temperature range of 25°C $\pm$ 5°C & 55% RH $\pm$ 10%



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