

MECO-G[®]

SINCE 1982

3⁵/₆ 6000 COUNTS Trms DIGITAL CLAMP-METER

Trms, DC VOLTAGE, AC CURRENT, AC VOLTAGE, RESISTANCE, DIODE TEST, CAPACITANCE TEST, APO, LIVE TEST, DIODE TEST, CAPACITANCE, RESISTANCE, DUTY CYCLE, FREQUENCY, hFE, CONTINUITY, TEMPERATURE

**DOUBLE INSULATED****NEW!**Preliminary
Data**9 FUNCTIONS, 14 RANGES**

- 300AAC, 1000VDC, 750VAC
- TRUE RMS
- MICRO-CONTROLLER DESIGN WITH HIGH ACCURACY
- SHARP AND CONTRASTING DISPLAY
- FREQUENCY, DUTY CYCLE, RESISTANCE, DIODE FUNCTIONS
- LINE TEST
- CAPACITANCE MEASUREMENT
- DOUBLE INSULATED
- TEMPERATURE MEASUREMENT
- DATA HOLD
- BACKLIT DISPLAY
- OVER LOAD PROTECTION ON ALL RANGES
- AUTOMATIC POLARITY INDICATION
- RECESSED SAFETY DESIGNED INPUT JACKS

R-2700T**FEATURES**

Display	: 3 ⁵ / ₆ Digits, 6000 Counts Trms.
Basic Accuracy	: ± (0.5% of reading ± 1dgt.)
Sensing	: Trms Sensing
Over Range Indication	: 'OL' or '-OL'
Sampling Time	: 3 Measurements / second
Polarity Indication	: Automatic Indication, '-' indicates negative polarity
Display Size	: 25 x 50mm
Auto Power-Off	: If the meter is idle for 15 minutes, the meter will automatically turn off
Operating Temperature & Humidity	: 0°C ~ 40°C (32°F ~ 104°F & ≤ 80% RH)
Storage Temperature & Humidity	: -10°C ~ 50°C (14°F ~ 122°F)
Battery	: 1.5VAAA x 3 Batteries
Low Battery Indication	: "⚡" is displayed
Temperature Coefficient	: Less than 0.1 x accuracy / °C
Static Working Current	: <2.0mA (no back-light)
Dimensions	: 215 x 66 x 35mm (Approx.)
Weight	: 310gms. Approx (With Battery)
Accessories	: Test Leads x 1, Instruction Manual x 1, Carrying Case, K-Type Thermocouple Leads x 1
Jaw Opening	: 40mm Approx.

M/s. SHREYANS ENTERPRISES

20, 1st FLOOR, "VASAVI PLAZA", D.V.G. ROAD, GANDHIBAZAR, BANGALORE - 560004

Ph : 41692918 / 41506976 / 9019367927 / 7019606255**E Mail : shreyansent@gmail.com**

DC Voltage (Auto Ranging)

Range	Resolution	Accuracy
600mV	0.1mV	±(0.8% of reading + 3 dgts)
6V	1mV	±(0.8% of reading + 3 dgts)
60V	10mV	
600V	100mV	
1000V	1V	±(1.0% of reading + 5 dgts)

Maximum Input Voltage : 1000VDC
In the low voltage range, when the test leads are not connected the meter may display random readings. This is normal because of the high sensitivity of the meter which doesn't affect the actual measurement value

AC Voltage (Auto Ranging)

Range	Resolution	Accuracy
600mV	0.1mV	±(1.2% of reading + 8 dgts)
6V	1mV	±(1.2% of reading + 6 dgts)
60V	10mV	
600V	100mV	
750V	1V	±(1.2% of reading + 8 dgts)

Maximum Input Voltage: 750VAC
Frequency Response: 40~1000Hz Trms
Input Impedance: 10MΩ
Overload Protection: 600V AC RMS CAT III, 1000V AC RMS CAT II
Max. Input voltage: 600V AC RMS CAT III, 1000V AC RMS CAT II show True-RMS value.

AC Current (Auto Ranging)

Range	Resolution	Accuracy
6A	10mA	± 2.5% of reading ± 10 digits
60A	100mA	
300A	1A	

Maximum Input Current: 300AAC
Frequency Response : 40~1000Hz True Rms

Temperature

Range	Resolution	Accuracy	
-40~1370°C	1°C	-40°C~150°C	± 1.0% + 4 digits
		150°C~1370°C	±2.0% + 3 digits
-40~2000°F	1°F	-40°F~302°F	±5.0% + 4digits
		302°F~2000°F	±2.5% + 4digits

Resistance (Auto Ranging)

Range	Resolution	Accuracy
600Ω	0.1Ω	± 1.0% of reading ± 5 digits
6kΩ	1Ω	
60kΩ	10Ω	
600kΩ	100Ω	
6MΩ	1KΩ	
60MΩ	10KΩ	

Open Circuit Voltage : 0.25V (Approx.)
Overload Protection : 250VDC / AC (rms)

Capacitance (Auto-Range)

Range	Resolution	Accuracy
10nF	0.01nF	± 8.0% of reading ± 5 digits
100nF	0.1nF	
1μF	0.001μF	
10μF	0.01μF	
100μF	0.1μF	
20mF	0.001mF	



Overload Protection : 250VDC / AC (rms)

Frequency (Auto Ranging)

Range	Resolution	Accuracy
1Hz	0.001Hz	± 1.0% of reading ± 5 digits
10Hz	0.01Hz	
100Hz	0.1Hz	
1KHz	0.001KHz	
10KHz	0.01KHz	
100KHz	0.1KHz	
10MHz	0.001MHz	

Overload Protection : 250V DC / AC (rms)
Input voltage : 2.0V ~ 10VAC (As the measured Frequency increases, the measured voltage should also increase)

Diode and Continuity

Range	Introduction	Remark
	The approx. forward voltage drop will be displayed	Open Circuit Voltage: about 3.0V
	The built-in buzzer will sound if the resistance is less than 30Ω	Open Circuit Voltage: about 3.0V

Forward DC Current of about 1ma
Reverse DC Voltage of about 3.0V
Over Load Protection : 250VDC / AC (rms)

Duty Cycle

Range	Resolution	Accuracy
0.01%~99.9%	0.01%	±1%

For value between 10% and 90% duty cycle at 50Hz.

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