

# 4-1/2 Digit True RMS DMM with Dual Display

Advanced multi-function 40,000 count, backlit dual display with bargraph plus optional RS-232 PC interface

## Feature :

- All basic DMM functions plus True RMS, AC + DC, Duty Cycle, dBm, Conductance, Time Stamp, Frequency, Capacitance and Temperature
- 1 $\mu$ V or 10nA resolution with 0.06% basic DCV accuracy
- Large 4,000/40,000 count LCD display primary, secondary, bargraph, range, & function
- Includes Pulse Width Input warning and variable duty cycle Square Wave output
- 45Hz - 20kHz ACV frequency response
- Dual display of Volts/Amps/dBm with Frequency or Volts
- Also display DC and SC ripple with either Volts or Amps
- Record Min/Max and True average with relative time stamp for these functions
- Display dB with 20 selectable reference impedances
- 1 ms (40 digit) peak hold for glitch capture plus data hold and 20 ms bargraph response
- Auto power off and sleep mode
- Conforms to IEC 1010-1 600V Cat III and 1000V Cat II
- Optional RS-232 communication & Windows data acquisition software
- Complete with test leads, K thermocouple probe with 9V battery and Protective holster



## Specifications

	Range	Max Resolution	Accuracy (%rdg+digits)
DC Volts:	40mV to 1000V	1mV	400mV to 1000V: $\pm(0.06\%+4d)$ ; 40mV: $\pm(0.08\%+5d)$
AC Volts:	40mV to 750V	1mV	50/60Hz: $\pm(0.7\%+5d)$ 45Hz to 5kHz: 40mV to 400V $\pm(1.5\%+5d)$ 750V $\pm(3.0\%+5d)$ 5kHz to 20kHz: 40mV to 400V $\pm(2.0\%+5d)$ $\pm(0.2\%+3d)$ 600V high energy fuse protected $\pm(1.0\%+5d)$ 600V high energy fuse protected
DC Current	400 $\mu$ A to 10A 10nA	10nA	400 $\Omega$ to 4M $\Omega$ : $\pm(0.2\%+3d)$
AC Current	400 $\mu$ A to 10A 10nA	10nA	4 $\Omega$ to 40M $\Omega$ : $\pm(1.0\%+5d)$
Resistance	400 $\Omega$ to 40M $\Omega$	0.1 $\Omega$	$\pm(1.0\%+10d)$
Conductance	40nS	0.01nS	4nF to 40nF: $\pm(2.5\%+6d)$ ;
Capacitance	4nF to 9999 $\mu$ F	1pF	400nF to 400 $\mu$ F: $\pm(2.0\%+4d)$ , >2mF: $\pm(3.0\%+4d)$ $\pm(0.002\%+1d)$
Frequency	0.5Hz to 10MHz	0.001 Hz	
Sensitivity	100mV		
Temperature	-40°F to 2502°F -40°C to 1372°C	1°F 1°C	$\pm(0.3\% + 6^\circ\text{F or } 3^\circ\text{C})$
Duty Cycle	0.1% to 99.9%	0.1%	$\pm(0.3\% \text{ per kHz} + 0.3\%FS)$
Pulse Width	0.1ms to 1999ms	0.1ms	$\pm(0.2\% + 3d)$
dBm	-80.79 to 81.48	0.01dBm	$\pm 0.3dBm$

Dimensions: 1.45 x 3.54 x 7.56" (37x90x192mm)

Weight: 32oz. (940g)

380282 ..... Dual Display True RMS Multimeter

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