

80,000 count Dual Measurement & Dual Display Multimeter with 50 measurement functions and RS232C/USB interface



Features

- Large LCD, 80000 count Dual-display, Analog bar 21 sets
- 50 measuring functions, with basic DCV, ACV, DCA, ACA, Ω , CAP, Hz, TEMP, diode and Continuity measuring function, etc.
- 18 types of frequency, frequency up to 80MHz, 1800 waveform outputs, 0.1%~99% duty cycle.
- Simultaneous measure (AC+DC), (AC+Hz), (DC+dBm), (dBm+Hz), (Hz+Duty), ($^{\circ}\text{C}+^{\circ}\text{F}$)
- Auto data update and refresh, auto data hold, auto peak hold
- 36-hour dynamic record: MAG, MIN, AVG, MAX-MIN (REL Δ), (REL%), setting upper & lower limit, timing measurement
- AC measuring adopts highly accurate true RMS measurement, with testing frequency bandwidth and AC+DC measuring, capable of accurate true RMS measuring of any waveforms in AC range
- RS-232 interface
- RS-232 to USB cable provided



Technical Specification

DM-1170A

Voltage		
Range	DC	80.000mV, 800.00mV, 8.0000V, 80.000V, 800.00V, 1000.0V
	AC	80.000mV, 800.00mV, 8.0000V, 80.000V, 750.0V
Measurement type		True RMS
Accuracy	DC	±(0.05% reading+5 digits)
	AC	±(0.8% reading+50 digits)
Current		
Range	DC	80.000mA, 800.00mA, 8.0000A, 20.000A
	AC	80.000mA, 800.00mA, 8.0000A, 20.000A
Measurement type		True RMS
Accuracy	DC	±(0.2% reading+10 digits)
	AC	±(0.8% reading+20 digits)
Resistance		800.00Ω, 8.0000kΩ, 80.000kΩ, 800.00kΩ, 8.0000MΩ, 80.000MΩ ±(0.3% reading+5 digits)
Frequency		0.50Hz~8.0000MHz ±(0.03% reading+2 digits)
Capacitance		1.000nF, 10.00nF, 100.0nF, 1.000uF, 10.00uF, 100.0uF ±(2.5% reading+50 digits)
Temperature		-50.0°C~1372.0°C / -58.0°F~2502.0°F ±(2.0% reading+2 digits)
Square wave output		3V / 0.5Hz~5kHz / 1%~99% ±0.02%
Special functions		Diode test, AC+DC, Continuity
Overload protection		250V RMS
General		
Display		Large backlit LCD, 2 parameters
Counts		80000.00
Input Impedance		10MΩ
AC frequency response		40Hz-50kHz
Sampling rate		4 times/s; Analog bar 40 times/s
Range selection		Manual range or Auto range
Interface		RS-232 interface
Power source		AC115V/230V±10% selectable, 50/60Hz
Accessories		Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1, Test lead x1, Temperature probex1
Dimension (WxHxD)		260x110x385mm
Weight		Approx. 3kg