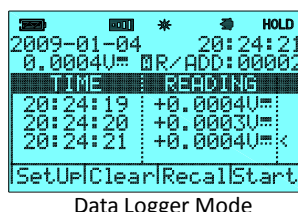


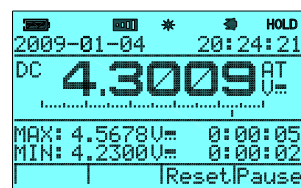
Features Metrix+ DM620 50000 Count Programmable Data Logger DMM



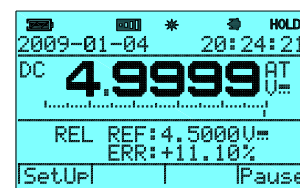
- International Safety Standard IEC 1010-1(EN 61010-1:1993 Over Voltage Category II & III)
- 0.05% of basic accuracy
- DM620: 50,000 count of high resolution
- Isolated USB Interface & Isolated USB Battery Charger
- Data Logger Memory: 18,000 Points
- Function and ranges may be controlled from PC via USB.
- True RMS measurements for AC
- Full Auto Range
- Auto Calibration
- Auto power off
- Data holds and run mode
- Low battery indication
- Overload protection for all functions (Including 10A)
- Record (MIN, MAX, AVG), Relative (REF, DEF,ERR) mode
- Compare (GO-NOGO) Mode and Trend Plot
- Real Time Clock and Date
- Multi display & analog bar graph
- Back light display
- AC, DC Voltage measurement
- 10 MHz frequency counter
- Period, Duty cycle measurement
- 20M resistance and Capacitance measurement
- Continuity and Diode test
- Temperature (°C/°F) using "K" type thermocouple
- Room temperature without any temperature probe
- AC, DC Amperes measurement



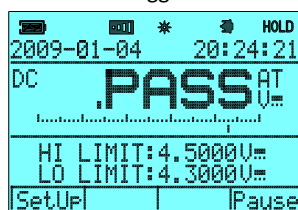
Data Logger Mode



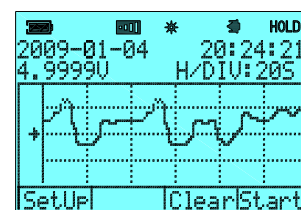
Record Mode



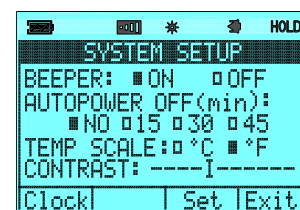
Relative Mode



Compare Mode



Trend Plot mode



Setup Mode

Electrical Specifications

International Safety Standard		IEC 1010-1(EN 61010-1:1993 Over Voltage Category II & III)			
DC V	Range	Resolution	Accuracy	Impedance	Max. Input
	500 mV	0.01mV	±(0.05%+5d)	10 MΩ	1000 VDC or 750 VAC rms
	5 V	0.0001V			
	50 V	0.001V			
	500 V	0.01V			
1000 V	0.1V				
AC V	Range	45~450Hz	450~10kHz	Impedance	Max. Input
	500 mV	±(0.5%+20d)	±(2%+20d)	10 MΩ	1000 VDC or 750 VAC rms
	5 V				
	50 V				
	500 V				
1000 V					

Resistance	Range	Resolution		Accuracy		Protection	
	500 Ω	0.01 Ω		±(0.2%+5d)		1000 VDC or 750 VAC rms	
	5 kΩ	0.0001 kΩ					
	50 kΩ	0.001 kΩ					
	500 kΩ	0.01 kΩ					
	5 MΩ	0.0001 MΩ					
20 MΩ	0.01 MΩ		±(1%+10d)				
Continuity	Range	Resolution		Threshold		Protection	
	5 kΩ	0.0001 kΩ		Less than 100 ohm			
Diode	Range	Resolution		Max. Test Current	Open circuit voltage	Protection	
	3 V	0.001V		Approx. 2.5 mA	2V	600V DC or AC Peak	
Capacitance	Range	Resolution		Accuracy		Protection	
	500 nF	0.1 nF		±(4%+15d)	600V DC or AC Peak		
	5 uF	0.001 uF					
	50 uF	0.01 uF					
	500 uF	0.1 uF					
Frequency	Range	Resolution		Accuracy		Protection	
	1000Hz	0.001Hz		±(0.05%+2d)		±250V	
	10kHz	0.0001kHz					
	100kHz	0.001kHz					
	1MHz	0.00001MHz					
	10MHz	0.0001MHz					
100MHz	0.001MHz		Unspecified				
Duty cycle	Range	Resolution		Accuracy	Input Frequency	Max. Input	
	100%	0.1%		±(0.1%+2d)	Less than 1kHz		
Temperature	Range	Resolution		Accuracy		Protection	
	1200°C	1°C		±(5%+3d)		600V DC or AC Peak	
	2192°F	1°F		°F = 32 + (9/5 x °C)			
Period	Range	Resolution	Accuracy		Protection		
	1 uS	0.001uS	±(0.05%+2d)		±250V		
	10 uS	0.01uS					
	100 uS	0.1uS					
	1 mS	0.001mS					
	10 mS	0.01mS					
	100 mS	0.1mS					
	1 S	0.001S					
DC	Range	Resolution	Accuracy		Max. Burden	Protection	
	50 mA	0.001mA	±(0.5+5d)		500mV	0.5A/ 600V	
	500 mA	0.01mA					
	5 A	0.0001A	±(0.7%+5d)		10A/ 600V		
	10 A	0.001A					
AC	Range	Resolution	Accuracy		Max. Burden	Protection	
	50 mA	0.001mA	±(0.5%+5d)		500mV	0.5A/ 600V	
	500 mA	0.01mA					
	5 A	0.0001A	±(0.75%+5d)		10A/ 600V		
	10 A	0.001A					
General	Power Requirement	3.7V Li-ion Battery Pack					
	Battery Life Time	32 hrs typ.					
	Dimensions / Weight	200 x 105 x 34 mm					
	Standard Accessories	Manual, Test Leads, Battery(Installed), Carrying Case, USB Cable, Demonstration S/W, Temperature probe & adaptor					
** The specification may be changed to improve the product quality without notifying the customers.							