

DM-442B



FEATURES

- 4 3/4 Digit, 40,000count Digital Multimeter
- AC True RMS or AC+DC Voltage & Current True RMS
- Data Save and Recall by using SW-442B Software program
- Built in USB & RS-232C Interface
- Data hold and Automatic Power Off
- Triply Display (Main: 40,000counts, Sub Right and Left display: 4,000counts)
- Analog Bar Graph (40 segments, Update rate: 10time/s)
- Measure temperature, 4-20mA loop current, relative mode, MAX & MIN
- Max. 0.025% Accuracy at DC Voltage
- Inner space for containing accessories such as test leads.
- Low battery display and Set up function
- Full Overload Protection
- Measure frequency, Period, Capacitance, Continuity.

BENCH DIGITAL MULTIMETER

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FUNCTION	RANGE	RESOLUTION	ACCURACY	Remark
DC Voltage	400mV	0.01mV	±(0.025%+5) under REL mode	Input impedance: Approx. 25GΩ
	4V	0.0001V	±(0.05%+5)	
	40V	0.001V		
	400V	0.01V		Input impedance: Approx. 25GΩ
	1000V	0.1V	±(0.1%+8)	
AC Voltage (AC+DC)	4V	0.0001V	45Hz - 1KHz; ±(0.4%+30)	Input impedance: Approx. 10MΩ
			>1KHz - 10KHz; ±(1.5%+30)	
			>10KHz - 100KHz; ±(6%+30)	
	40V	0.001V	45Hz - 1KHz; ±(0.4%+30)	
			>1KHz - 10KHz; ±(1.5%+30)	
			>10KHz - 100KHz; ±(6%+30)	
	400V	0.01V	45Hz - 1KHz; ±(0.4%+30)	
			>1KHz - 10KHz; ±(5%+30)	
1000V	0.1V	45Hz - 1KHz; ±(1%+30)		
		>1KHz - 5KHz; ±(5%+30)		
DC Current	400μA	0.01μA	±(0.1%+15); 0.5A, 250V	0.5A, 250V
	4000μA	0.1μA		
	40mA	0.001mA	±(0.15%+15)	
	400mA	0.01mA		
	10A	0.001A	±(0.5%+30)	
AC Current (AC+DC)	400μA	0.01μA	45Hz - 1KHz; ±(0.7%+15)	0.5A, 250V
	4000μA	0.1μA		
	40mA	0.001mA	>1KHz - 5KHz; ±(1%+30)	
	400mA	0.01mA	>5KHz - 10KHz; ±(2%+40)	
			45Hz - 1KHz; ±(1.5%+40)	
	10A	0.001A	>1KHz - 5KHz; ±(2.5%+40)	
		>5KHz - 10KHz; ±(5%+40)		
Operating Temperature: 0°C ~ 40°C,				
Relative Humidity: 0°C ~ 30°C @ ≤75%, 30°C ~ 40°C @ ≤50%				
Power: Battery: 1.5V * 6pcs, AC220V ~ 240V 50Hz.				
Dimension and Weight: 105*240*310mm, Approx 2.5Kg				
Interface: USB, RS-232C				
Accessory	Operating Manual, Test lead 1pair, K-type temperature probe 1, Alligator Clip 1, Test Clip 1, USB Cable 1, RS-232C cable 1, Power Cable 1, SW-442B CD 1			

FUNCTION	RANGE	RESOLUTION	ACCURACY
Resistance	400Ω	0.01Ω	±(0.3%+40) + Test Leada open circuit value
	4KΩ	0.0001Ω	±(0.3%+40)
	40KΩ	0.001Ω	
	400KΩ	0.01Ω	±(0.5%+40)
	4MKΩ	0.0001MΩ	±(1%+40)
	40MΩ	0.001MΩ	±(1.5%+40)
Continuity		0.01Ω	
Diode		0.0001V	
Capacitance	40nF	0.001nF	±(1%+20) + Test Leada open circuit value
	400nF	0.01nF	±(1%+20)
	4μF	0.0001μF	
	40μF	0.001μF	±(1.2%+20)
	400μF	0.01μF	±(5%+20)
	40mF	0.001mF	
Frequency	40Hz	0.001Hz	±(0.001%+8)
	400Hz	0.01Hz	
	4KHz	0.0001KHz	
	40KHz	0.001KHz	
	400KHz	0.01KHz	
	4MHz	0.0001MHz	
	40MHz	0.001MHz	
DUTY CYCLE	100%	0.01%	±(0.01%+40)
Temperature	-40°C ~ 40°C	0.1°C	±(3%+30)
	40°C ~ 400°C		±(1%+30)
	400°C ~ 1000°C		±2.5%
	Loop current		(4-20mA)%