



STANDARD

Test & Measuring Instruments



6420 DM

FEATURES

- 3-3/4 digital LCD with a maximum display of 3999.
- An angled-display design helps the user to identify the reading of value easier.
- Bar graph LCD display.
- Auto-ranging designed.
- Ranging change function.
- Relative/Maximum/Minimum modes.
- Peak hold mode.
- VAHz mode measures frequency in voltage or current mode.
- 40M Hz frequency counter.
- Auto power off.
- Continuity check.
- Data Hold Function.
- Low battery detection.
- Over range indication.
- Fuse protection.
- Hook design included makes it easy to use no matter for standing or hanging purpose.
- Meets EN/IEC 61010-1 CAT III 600V.

SPECIFICATIONS

DC Voltage

Range	Resolution	Accuracy	Input Protection
400.0 mV	100 uV	± (0.5%rdg+3dgt)	1000V DC
4.000 V	1 mV		
40.00 V	10 mV		
400.0 V	100 mV		
1000 V	1 V		

Input impedance : 10 MΩ

AC Voltage

Range	Resolution	Accuracy	Input Protection
400.0 mV	100 uV	± (1%rdg+5dgt)	800V AC
4.000 mV	1 mV		
40.00 mV	10 mV		
400.0 mV	100 mV		
750 V	1 V		

Input impedance : 10 MΩ

DC Current

Range	Resolution	Accuracy	Input Protection
400.0 uA	0.1 uA	± (1%rdg+5dgt)	500 mA
4000 uA	1 uA		
40.00 mA	0.01 mA		
400.0 mA	0.1 mA		
10 A	10 mA	± (2%rdg+2dgt)	12.5 A

- Overload Protection 0.5 A / 250 V fast blow fuse for 400 mA
12.5A / 500V fast blow fuse for 10 A

AC Current

Range	Resolution	Accuracy	Input Protection
400.0 uA	0.1 uA	± (1%rdg+5dgt)	500 mA
4000 uA	1 uA		
40.00 mA	0.01 mA		
400.0 mA	0.1 mA		
10A	10 mA	± (2%rdg+3dgt)	12.5 A

- Overload Protection 0.5 A / 250 V fast blow fuse for 400 mA
12.5A / 500V fast blow fuse for 10 A

Resistance

Range	Resolution	Accuracy	Max Test Current	Max Open Circuit Voltage
400.0 Ω	0.1 Ω	± (1.5%rdg+3dgt)	0.55mA	0.5A
4.000 KΩ	1 Ω			
40.00 KΩ	10 Ω			
400.0 KΩ	100 Ω			
4.000 MΩ	1 KΩ	± (2%rdg+4dgt)		
40.00 MΩ	10 KΩ			

Overload Protection 500V DC

Frequency

Range	Resolution	Accuracy
400.0 Hz	0.1 Hz	± (1%rdg+2dgt)
4.000 KHz	1 Hz	
40.00 KHz	10 Hz	
400.0 KHz	100 Hz	
4.000 MHz	1 KHz	
40.00 MHz	10 KHz	

Continuity Check

Range	Resolution	Continuity beeper	Test Current
400 Ω	0.1 Ω	< 35 Ω	0.55 mA

General

Low battery indication	BATT
Operating Temperature	0°C ~ 40°C, 80% Max.
Storage Temperature & Humidity	-10°C ~ 50°C, 80% Max.
Dimensions	192(L) x 88.5(W) x 45(D)mm
Weight	Approx. 350g(battery included)
Power Source	1.5V x 2(AAA)
Accessories	Test leads Batteries Instruction manual

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