

Data Sheet

5XP Digital Multimeter



A compact full-purpose multimeter

The Meterman 5XP digital multimeter provides superior features and accuracy in a smaller form factor. The 5XP has unique features such as VolTect™ non-contact voltage (NVC) detection and our exclusive Magne-Grip™ holster that frees both hands for work. The 5XP is the right choice for residential, commercial and general troubleshooting applications.

- 27 ranges/10 functions
- Battery load test with 1.5 V and 9 V capabilities
- MinMax record minimum and maximum values
- Triple safety rating

Specifications

Function	Range	Accuracy
Voltage		
DC Volts		
Ranges	200 mV, 2 V, 20 V, 200 V, 1000 V	± (1.0 % rdg + 1 dgt)
AC Volts (45 Hz to 500 Hz)		
Ranges	200 mV, 2 V, 20 V, 200 V, 750 V	± (1.5 % rdg + 5 dgts)
Resolution	100 μV	
Input Impedance	10 MΩ	
Overload Protection	200 mV: 1000 V dc or 750 V ac rms (3 minutes) All other ranges: 1000 V dc or 750 V ac rms	
Current		
DC Current		
Ranges	200 μA, 2 mA, 20 mA, 200 mA	± (1.5 % rdg + 1 dgt)
AC Current (45 Hz to 500 Hz)		
Ranges	200 μA, 2 mA, 20 mA, 200 mA	± (2.0 % rdg + 5 dgts)
Resolution	0.1 μA	
Input Protection	315 mA/1000 V fast blow ceramic fuse 6.3 mm x 32 mm on mA input	
Burden Voltage	300 mV max. (1 V max. on 200 mA range)	
Resistance		
	200 Ω, 2 kΩ, 20 kΩ, 200 kΩ	± (1.0 % rdg + 4 dgts)
	2 MΩ	± (1.5 % rdg + 4 dgts)
	20 MΩ	± (2.0 % rdg + 5 dgts)
Resolution	100 mΩ	
Open Circuit Voltage	0.3 V dc typical, (3.0 V dc on 200 Ω range)	
Overload Protection	1000 V dc or 750 V ac rms	
Continuity		
Audible Indication	75 Ω ± 25 Ω	
Response Time	100 ms	
Overload Protection	1000 V dc or 750 V ac rms	
Diode Test		
Test Current	1.0 mA (approximate)	± (1.5 % rdg + 3 dgts)
Resolution	1 mV	
Open Circuit Voltage	3.0 V dc typical	
Overload Protection	1000 V dc or 750 V ac rms	



Specifications *cont.*

Function	Range	Accuracy
Battery Test	1.5 V, 9 V	± (3.5 % rdg + 2 dgts)
Resolution	1 mV, 10 mV	
Loaded Current	150 mA typical for 1.5 V range, 5 mA typical for 9 V range	
Overload Protection	1000 V dc or 750 V ac rms on 9 V range, on VΩ input 315 mA/1000 V fast blow ceramic fuse on 1.5 V range, on mA input	
Non-Contact Voltage Indicator		
Sense voltage 70 V to 600 V ac; beeper chirps and bright red LED comes on, works on all ranges		

General Specifications

Display	3-1/2 digit liquid crystal display (LCD) with a maximum reading of 1999
Polarity	Automatic, positive implied, negative polarity indication
Overrange	(OL) or (-OL) is displayed
Zero	Automatic
Low Battery Indication	The "⚡" is displayed when the battery voltage drops below the operating level
Measurement Rate	2.5 times per second, nominal
Operating Environment	0 °C to 50 °C at <70 % R.H.
Storage Temperature	-20 °C to 60 °C, 0 to 80 % R.H. with battery removed from meter
Accuracy	Stated accuracy at 23 °C ± 5 °C, <75 % relative humidity
Temperature Coefficient	0.1 x (specified accuracy) per °C (0 °C to 18 °C, 28 °C to 50 °C)
Altitude	2000 m (6561.7 ft)
Power	Single standard 9 volt battery, NEDA 1604, JIS 006P, IEC 6F22
Battery Life	200 hours typical with carbon-zinc
Dimensions (H x W x D)	155 mm x 72 mm x 32 mm (6.1 in x 2.8 in x 1.3 in)
Weight	Approx. 210 g (7.4 oz) including battery
Warranty	One-year

No waiting.

No shipping charges.

No hassle warranty

Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that a Meterman test tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.



Included Accessories

Pair of test leads (TL245), fuse 315 mA/1000 V P/N FP300, 9 V battery (installed), Magne-Grip™ Holster with magnetic hanging strap (H2-XR) and users manual.

Optional Accessories

VC30 Carrying Case
DL243C Test Lead Kit
TC253A Temperature Converter
TL36 Test Lead Set with alligator clips



Meterman®
The right tool, everyday.™

Meterman Test Tools

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 8/2005 2124133 D-US-N Rev B