

## Data Sheet

# 5XP-A Digital Multimeter



## A compact full-purpose multimeter

The Amprobe 5XP-A digital multimeter provides superior features and accuracy in a smaller form factor. The 5XP-A 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-A 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
<b>Voltage</b>		
<b>DC Volts</b>		
Ranges	200 mV, 2 V, 20 V, 200 V, 1000 V	± (1.0 % rdg + 1 dgt)
<b>AC Volts (45 Hz to 500 Hz)</b>		
Ranges	200 mV, 2 V, 20 V, 200 V, 750 V	± (1.5 % rdg + 5 dgts)
<b>Resolution</b>	100 μV	
<b>Input Impedance</b>	10 MΩ	
<b>Overload Protection</b>	200 mV: 1000 V dc or 750 V ac rms (3 minutes) All other ranges: 1000 V dc or 750 V ac rms	
<b>Current</b>		
<b>DC Current</b>		
Ranges	200 μA, 2 mA, 20 mA, 200 mA	± (1.5 % rdg + 1 dgt)
<b>AC Current (45 Hz to 500 Hz)</b>		
Ranges	200 μA, 2 mA, 20 mA, 200 mA	± (2.0 % rdg + 5 dgts)
<b>Resolution</b>	0.1 μA	
<b>Input Protection</b>	315 mA/1000 V fast blow ceramic fuse 6.3 mm x 32 mm on mA input	
<b>Burden Voltage</b>	300 mV max. (1 V max. on 200 mA range)	
<b>Resistance</b>		
	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)
<b>Resolution</b>	100 mΩ	
<b>Open Circuit Voltage</b>	0.3 V dc typical, (3.0 V dc on 200 Ω range)	
<b>Overload Protection</b>	1000 V dc or 750 V ac rms	
<b>Continuity</b>		
<b>Audible Indication</b>	75 Ω ± 25 Ω	
<b>Response Time</b>	100 ms	
<b>Overload Protection</b>	1000 V dc or 750 V ac rms	
<b>Diode Test</b>		
<b>Test Current</b>	1.0 mA (approximate)	± (1.5 % rdg + 3 dgts)
<b>Resolution</b>	1 mV	
<b>Open Circuit Voltage</b>	3.0 V dc typical	
<b>Overload Protection</b>	1000 V dc or 750 V ac rms	



## Specifications *cont.*

Function	Range	Accuracy
<b>Battery Test</b>	1.5 V, 9 V	± (3.5 % rdg + 2 dgts)
<b>Resolution</b>	1 mV, 10 mV	
<b>Loaded Current</b>	150 mA typical for 1.5 V range, 5 mA typical for 9 V range	
<b>Overload Protection</b>	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	
<b>Non-Contact Voltage Indicator</b>		
Sense voltage 70 V to 600 V ac; beeper chirps and bright red LED comes on, works on all ranges		

## General Specifications

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



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