



## 30XR-A Digital Multimeter

Manual ranging digital multimeter with non-contact voltage tester.

- Non-contact voltage tester to 600 V AC
- Magne-Grip™ Holster with magnetic hanging strap
- 600 V AC/DC
- 10 Amps AC/DC, fully safety fused
- Resistance to 20 M $\Omega$
- Continuity beeper
- 1.5 V / 9 V battery test under load
- Min/Max and Data Hold
- Separate door for easy battery and fuse access
- One-year warranty



30XR-A

### No hassle warranty

*No waiting.*

*No shipping charges.*



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

(note: \$500 MSLP limit)



## 30XR-A Digital Multimeter

## Data Sheet

### General Specifications

Manual Ranging	
Display:	3-1/2 digit LCD, 1999 counts
Display Update Rate:	2.5/sec, nominal
Power Battery:	9 V NEDA 1604, JIS 006P, IEC 6F22
Battery Life:	200 hrs typical (carbon-zinc)
Operating Temperature:	0 °C to 45 °C at < 70 % R.H.
Storage Temperature:	-20 °C to 60 °C, 0 to 80 % R.H. with battery removed from meter
Dimensions:	196 x 92 x 60 mm (7.7" x 3.5" x 2.4")
Weight:	426 gr (0.94 lb) without holster, including battery

### Specifications (at 23 °C ± 5 °C, <75 % R.H. non-condensing)

Function	Range	Accuracy
<b>DC Voltage</b>		
Ranges	200 mV, 2 V, 20 V, 200 V, 600 V	
Accuracy	all ranges:	± (1 % rdg + 1 dgt)
Resolution	100 µV	
Input Impedance	10 MΩ	
<b>AC Voltage (45 Hz to 500 Hz)</b>		
Ranges	200 mV, 2 V, 20 V, 200 V, 600 V	
Accuracy	all ranges:	± (1.5 % rdg + 4 dgts)
Resolution	100 µV	
Input Impedance	10 MΩ	
<b>DC Current</b>		
Ranges	200 µA, 2 mA, 20 mA, 200 mA, 10 A	
Accuracy	200 µA to 200 mA ranges:	± (1.5 % rdg + 1 dgt)
	10 A range:	± (2.0 % rdg + 3 dgts)
Resolution	0.1 µA	
Voltage Burden (Max)	200 µA range: 1 mV/µA 2 mA range: 100 mV/1mA 20 mA range: 13 mV/1 mA 200 mA range: 4.6 mV/1 mA 10A range: 40 mV/1 A	
<b>AC Current (45 Hz to 500 Hz)</b>		
Ranges	200 µA, 2 mA, 20 mA, 200 mA, 10 A	
Accuracy	200 µA to 200 mA ranges:	± (2.0 % rdg + 4 dgts)
	10A range:	± (2.5 % rdg + 4 dgts)
Resolution	0.1 µA	
Voltage Burden	See DC Current	
<b>Resistance</b>		
Ranges	200 Ω, 2 kΩ, 20 kΩ, 200 kΩ, 2 MΩ, 20 MΩ	
Accuracy	200 Ω to 200 kΩ ranges: ± (1.0 % rdg + 4 dgts) 2 MΩ range: ± (1.5 % rdg + 4 dgts) 20 MΩ range: ± (2.0 % rdg + 5 dgts)	
Resolution	100 mΩ	
Open Circuit Voltage	200 Ω range: 3.0 V DC All other ranges: 0.3V DC typical	

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Specifications (at 23 °C ± 5 °C, <75 % R.H. non-condensing), cont.

Function	Range	Accuracy
<b>Continuity</b>		
Audible Indication	75 Ω	± 25 Ω
Response Time	100 ms	
<b>Diode Test</b>		
Test Current	1.0 mA (approximate)	± (1.5 % rdg + 3 dgts)
Resolution	0.001 V	
Open Circuit Volts	3.0 V typical	
<b>Battery Test</b>		
Ranges	1.5 V, 9 V	± (3.5 % rdg + 2 dgts)
Resolution	1 mV, 10 mV	
Load Test Current	1.5 V range: 150 mA typical 9 V range: 5 mA typical	
<b>Non-Contact Voltage Detector (NCV)</b>		
AC Volts	70 to 600 V ac	
Red LED and Audible Indicator		
<b>Overload Protection</b>		
AC/DC Voltage 400 mV range:	600 V DC or 600 V AC RMS 15 sec	
All other ranges:	600 V DC or 600 V AC RMS	
AC/DC Current uA/mA input:	F 0.25 A / 600 V Min. I.R. 30 kA (6.3 x 32 mm) 10 A input F 10A / 600V, Min. I.R. 100 kA, (10 x 38 mm) (10 A for 4 minutes maximum followed by a 12 minute cooling period)	
Resistance	600 V DC or 600 V rms	
Continuity	600 V DC or 600 V AC RMS	
Diode Test	600 V DC or 600 V AC RMS	
Battery Test	600 V DC or 600 V AC RMS	



### Included Accessories

Test leads (TL36A), 9 V battery (installed),  
Magne-Grip™ Holster with magnetic hanging  
strap, spare fuse, users manual

### Optional Accessories

VC221B	Padded Vinyl Carry Case
DL248D	Deluxe Test Lead Kit
DC207C	Heavy Duty Case
HV231-10A	High Voltage Probe
TC253A	Temperature Adaptor
TP254A	High Temperature Probe