

AMPROBE®

Data Sheet

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 MΩ
- 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)

CAT II 600V CAT III 300V c UL us CE N10140

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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
DC Voltage		
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	
AC Voltage (45 Hz to 500 Hz)		
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	
DC Current		
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	
AC Current (45 Hz to 500 Hz)		
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**	
Resistance		
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
Continuity		
Audible Indication	75 Ω	± 25 Ω
Response Time	100 ms	
Diode Test		
Test Current	1.0 mA (approximate)	± (1.5 % rdg + 3 dgts)
Resolution	0.001 V	
Open Circuit Volts	3.0 V typical	
Battery Test		
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	
Non-Contact Voltage Detector (NCV)		
AC Volts	70 to 600 V ac	
Red LED and Audible Indicator		
Overload Protection		
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	

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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

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