

# 30XR-A

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
- CAT III 300 V, CAT II 600 V rated
- UL (cULus) listed
- One-year warranty

## 30XR-A Specifications (at 23 °C ± 5 °C, <75 % R.H. non-condensing)

<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
<b>Continuity</b>	
Audible Indication	75 Ω ± 25 Ω
Response Time	100 ms
<b>Diode Test</b>	
Test Current	1.0 mA (approximate)
Accuracy	± (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
Accuracy	± (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	



# 30XR-A

## Manual ranging digital multimeter with non-contact voltage tester.

Digital Multimeter

### 30XR-A Specifications (at 23 °C ± 5 °C, <75 % R.H. non-condensing)

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

### 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:** 7.7" x 3.5" x 2.4" (196 x 92 x 60 mm); **Weight (without holster, including battery):** 0.94 lb (426 gr):

### Included Accessories

Test leads (TL36), 9 V battery (installed), Magne-Grip™ Holster with magnetic hanging strap (H1-XR), spare fuse, operators manual

### Features

Input lead warning; Data Hold; Min/Max, low battery indication; overrange indication; non-contact voltage detector; one-year warranty

### Optional Accessories

VC221A Padded Vinyl Carry Case, DL248C Deluxe Test Lead Kit, DC207B Heavy Duty Case, HV231-10 High Voltage Probe, TC253A Temperature Adaptor, TP254 High Temperature Probe



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