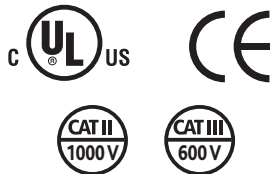


Data Sheet

34XR Digital Multimeter



True RMS Digital Multimeter with temperature and backlight for contractors and field service technicians

- True RMS for the most accurate measurements
- Frequency to 40 MHz, temperature to 1832 °F, capacitance to 4000 µF
- Min/Max, Data Hold and Range Lock
- Auto power off to save battery life
- Separate door for easy battery and fuse access
- Magne-Grip™ Holster with magnetic hanging strap
- Three-year warranty

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

Function	Range	Accuracy
Voltage		
DC Voltage	400 mV, 4 V, 40 V, 400 V, 1000 V	± (0.5 % rdg + 1 dgt)
AC Voltage True RMS (45 Hz to 2 kHz)	400 mV range (45 to 100 Hz)	± (1.2 % rdg + 8 dgts)
	4 V, 40 V, 400 V (45 to 500 Hz)	± (1.2 % rdg + 8 dgts)
	4 V, 40 V, 400 V (500 to 2 kHz)	± (2.0 % rdg + 8 dgts)
	750 V range (45 to 1 kHz)	± (2.0 % rdg + 8 dgts)
AC coupled True RMS specified from 5 % to 100 % of range		
Input Impedance	10 MΩ	
Resolution	100 µV	
Current		
DC Current	400 µA, 4 mA, 40 mA, 300 mA	± (1.0 % rdg + 1 dgt)
	10 A	± (2.0 % rdg + 3 dgts)
AC Current True RMS (45 Hz to 1 kHz)	400 µA, 4 mA, 40 mA, 300 mA	± (1.5 % rdg + 8 dgts)
	10 A	± (2.5 % rdg + 10 dgts)
Resolution	0.1 µA	
Resistance	400, 4 k, 40 k, 400 k, 4 MΩ	± (1.0 % rdg + 4 dgts)
	40 MΩ	± (2.0 % rdg + 5 dgts)
Resolution	100 mΩ	
Capacitance	4 µF	± (5.0 % rdg + 10 dgts)
	40 µF, 400 µF	± (5.0 % rdg + 5 dgts)
	4000 µF	± (5.0 % rdg + 15 dgts)
Resolution	1 nF	
Temperature	-20 °C to 10 °C	± (2.0 % rdg + 4 °C)
	10 °C to 200 °C	± (1.0 % rdg + 3 °C)
	200 °C to 1000 °C	± (3.0 % rdg + 2 °C)
	-4 °F to 50 °F	± (2.0 % rdg + 8 °F)
	50 °F to 400 °F	± (1.0 % rdg + 6 °F)
	400 °F to 1832 °F	± (3.0 % rdg + 4 °F)
Resolution	1 °C, 1 °F	
Frequency	4 kHz, 40 kHz, 400 kHz, 4 MHz,	± (0.1 % rdg + 3 dgts)
	40 MHz	
Resolution	1 Hz	
Duty Cycle	0 to 90 %	5 V logic: ± (2.0 % rdg + 5 dgts)
Frequency Range	40 Hz to 20 kHz	
Continuity		
Audible Indication	< 35 Ω	
Diode Test		
Test Current	1.2 mA (approximate)	
Open Circuit Voltage	3.0 V dc typical	



Specifications *cont.*

Function	Range
Overload Protection	
AC/DC Voltage	All ranges: 1000 V dc or 750 V ac rms
AC/DC Current	μ A/mA input: 0.315 A /1000 V fast-blow ceramic (6.4 mm x 32 mm) 10 A input: 10 A /1000 V fast-blow ceramic 10 mm x 38 mm (10 A for 4 minutes maximum followed by a 12 minute cooling period)
Resistance	All ranges: 1000 V dc or 750 V rms
Continuity	
Diode Test	
Temperature	
Capacitance	

General Specifications

Display (Autoranging)	3-3/4 digit LCD, 3,999 counts with 41-segment analog bar graph
Display Update Rate	2/sec, nominal
Power Battery	9 V NEDA 1604, JIS 006P, IEC 6F22
Battery Life	200 hrs typical (alkaline) frequent use of backlight will decrease battery life
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
Temperature Coefficient	0.1 x (specified accuracy) per °C (0 °C to 18 °C, 28 °C to 45 °C)
Dimensions	195 mm x 92 mm x 60 mm (7.75 in x 3.55 in x 2.4 in)
Weight (without holster, including battery)	400 g (1 lb)
Warranty	Three-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

Test leads with threaded alligator clips (TL36), 9 V battery (installed), Magne-Grip™ Holster with magnetic hanging strap (H2-XR), Temperature adapter (XR-TA), Type K thermocouple probe (TP255), spare fuse, operators manual.

Optional Accessories

VC221A	Padded Vinyl Carrying Case
DL248C	Deluxe Test Lead Kit
DC205B	Heavy Duty Carrying Case
HV231-10	High Voltage Probe
TP254	High Temperature Probe
FP300	0.315 A/1000 V Replacement Fuses, Pack of 4
FP100	10 A/1000 V Replacement Fuses, Pack of 2

Meterman®
The right tool, everyday.™

Meterman Test Tools

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