

XR Series



38XR

True RMS digital multimeter with optical PC interface

- 10,000-count with high 0.25 % accuracy
- Bright blue backlight for dim environments
- Duty cycle, capacitance and frequency
- Magne-Grip™ holster with magnetic hanging strap
- 4-20 mA loop current with % readout
- Temperature to 2372 °F/1300 °C, type K thermocouple included
- True RMS AC + DC coupled for accurate measurements
- RS-232 data out for use with optional software, Model 38-SW

Three-year warranty



38XR

37XR

True RMS with component and logic test

True RMS meter for electronics troubleshooting at the bench or job site. The highest accuracy meter in the XR series.

- Autoranging 10,000 count with 0.1 % accuracy for the most accurate measurements
- LCR functions – inductance, capacitance and resistance
- Frequency, duty cycle and logic test
- Bright blue backlight for dim environments
- Magne-Grip™ Holster with magnetic hanging strap

Three-year warranty



37XR

34XR

True RMS with temperature and backlight

Ideal for contractors and field service technicians.

- True RMS for the most accurate measurements
- Extended 4000 µF capacitance range for motor run/start testing
- Bright blue backlight for dim environments
- Duty cycle, frequency and capacitance for complete measurement capability
- Temperature to 1832 °F/1000 °C with a type K thermocouple included
- Magne-Grip™ Holster with magnetic hanging strap
- Data Hold, Min/Max and bar graph

Three-year warranty



34XR

Five meters designed for electronic, electrical, plant maintenance and HVAC applications

Magne-Grip™ Holster with magnetic hanging strap



Many DMM users find they need a “third hand” when taking a measurement with their meter. We designed the Magne-Grip™ holster to protect the meter and provide the “third hand” DMM users need. An innovative magnetic hanging strap secures the meter to a convenient steel surface, freeing both hands for work. Included with all XR meters.



33XR

Manual ranging with temperature and capacitance

33XR gives the contractor and field service technician all the essential measurement functions they need in a rugged package.

- Temperature, frequency and capacitance
- Extended 4000 μF capacitance range for motor run/start testing
- Magne-Grip™ Holster with magnetic hanging strap
- Data Hold, Peak Hold, Min/Max and REL

One-year warranty



30XR

DMM with VolTect™, a built-in non-contact voltage tester

The 30XR has all the basic functions for automotive, residential and education applications.

- 9 functions, 30 ranges handles most measurement needs
- Magne-Grip™ Holster with magnetic hanging strap frees both hands for work
- Battery/fuse door designed for easy accessibility
- Battery tester

One-year warranty



Pick the multimeter that is right for you.

	30XR	33XR	34XR	37XR	38XR
Measurement					
Voltage dc	600 V	1000 V	1000 V	1000 V	1000 V
Voltage ac	600 V Average	750 V Average	750 V TRMS AC	750 V TRMS AC	750 V TRMS AC + DC
DC current	10 A	10 A	10 A	10 A	10 A
AC current	10 A	10 A	10 A TRMS	10 A TRMS	10 A TRMS
Resistance	20 M Ω	4 M Ω	40 M Ω	40 M Ω	40 M Ω
Continuity	•	•	•	•	•
Diode	•	•	•	•	•
Non-contact voltage detect	•				
Capacitance		4000 μF	4000 μF	400 μF	400 μF
Frequency		40 MHz	40 MHz	10 MHz	10 MHz
Temperature		1000 °C (1832 °F)	1000 °C (1832 °F)		1300 °C (2372 °F)
Duty cycle			•	•	•
Logic test				TTL/CMOS 20 MHz	
Inductance				40 H	
Battery test	1.5 V, 9 V				
Features					
Basic dc accuracy	1.0 %	0.7 %	0.5 %	0.1 %	0.25 %
Counts	2000	4000	4000	10,000	10,000
Auto power off		•	•	•	•
Analog bar graph		•	•	•	•
Backlight			•	•	•
Min/Max	•	•	•	•	•
Average				•	•
Relative		•		•	•
Data Hold	•	•	•	•	•
Peak Hold		•		•	•
4-20 mA %					•
RS-232 output					•
dBm				•	•
Ships with	Magne-Grip holster, test leads, battery	Magne-Grip holster, test leads, alligator clips, Type K probe, temp adapter, battery	Magne-Grip holster, test leads, alligator clips, Type K probe, temp adapter, battery	Magne-Grip holster, test leads, alligator clips, battery	Magne-Grip holster, test leads, alligator clips, Type K probe, temp adapter, battery
Warranty	One-year	One-year	Three-years	Three-years	Three-years

Optional RS232 cable and software, 38-SW

- Real-time data acquisition software logs and displays data from all 38XR measurement functions
- Stores data for retrieval or for further analysis
- Exports data for use in Excel® or other programs
- Supports Windows® 98, NT, XP and their variants

