



XR Series Multimeters

This family of full-size digital multimeters lets you customize features and functions to your electronic, electrical, plant maintenance or HVAC applications.

For non-contact voltage testing, Amprobe VolTect™ technology is built into the 30XR-A along with a full complement of measurement functions. HVAC contractors and field service technicians have a choice of the manual ranging 33XR-A with temperature and capacitance or the auto-ranging, true-rms 34XR-A with temperature and backlight.

For electronics troubleshooting, the true-rms 37XR-A offers component and logic test. If you're an engineer, designing or troubleshooting industrial automation and control systems, check out the 38XR-A, a true-rms multimeter with bright blue backlight and an optical PC interface.

- Autoranging (34XR-A, 37XR-A, 38XR-A only)
 - Min/max and data hold
 - Separate door for easy battery and fuse access
 - Low battery indication
 - Relative, peak, and average and data hold (37XR-A 38XR-A only)
- ALL MODELS EXCEPT 30XR-A OFFER:
- Analog bar graph
 - Input warning tone when test leads are in wrong jack
 - Auto power-off to save battery life

FEATURE	30XR-A	33XR-A	34XR-A	37XR-A	38XR-A
DC Voltage	200.0 mV, 2.000 V, 20.00 V, 200.0 V, 500 V	400.0 mV, 4.000 V, 40.00 V, 400.0 V, 1000 V		1.000 mV, 10.00 V, 100.0 V, 1000 V	
AC Voltage	200.0 mV, 2.000 V, 20.00 V, 200.0 V, 500 V	400.0 mV, 4.000 V, 40.00 V, 400.0 V, 1000 V		1.000 mV, 10.00 V, 100.0 V, 1000 V	
DC Current	200.0 µA, 2.000 mA, 20.00 mA, 200.0 mA, 10 A	400.0 µA, 4.000 mA, 40.00 mA, 300.0 mA, 10 A		100.0 µA, 1.000 µA, 10.00 mA, 100.0 mA, 400.0 mA, 10.00 A	
AC Current	200.0 µA, 2.000 mA, 20.00 mA, 200.0 mA, 10 A	400.0 µA, 4.000 mA, 40.00 mA, 300.0 mA, 10 A		100.0 µA, 1.000 µA, 10.00 mA, 100.0 mA, 400.0 mA, 10.00 A	
Resistance	200.0 Ω, 2.000 kΩ, 20.00 kΩ, 200.0 kΩ, 2.000 MΩ, 20.00 MΩ	400.0 Ω, 40.00 kΩ, 4.000 MΩ	400.0 Ω, 4.000 kΩ, 40.00 kΩ, 400.0 kΩ, 4.000 MΩ, 40.00 MΩ	1000.0 Ω, 10.000 kΩ, 100.00 kΩ, 1000.0 kΩ, 10.00 MΩ, 40.00 MΩ	
Continuity			•		
Diode			•		
VolTect™ Non-Contact Voltage Detection	•				
Capacitance	-	4.000 µF, 40.00 µF, 400.0 µF, 4000 µF		40.00 nF, 400.0 nF, 4.000 µF, 40.00 µF, 400.0 µF	
Frequency	-	4.000 kHz, 40.00 kHz, 400.0 kHz, 1 MHz		100.00 Hz, 1.0000 kHz, 10.000 kHz, 100.00 kHz, 1.0000 MHz, 10.000 MHz	
Temperature	-	1832 °F (1000 °C)	1832 °F (1000 °C)	-	2372 °F (1300 °C)
Duty cycle	-	-	0.0 % → 90.0 %	0.00 % → 90.0 %	
Logic test		-		•	-
Inductance		-		40 H	-
dBm		-		-13 dBm → +50 dBm	

INCLUDED ACCESSORIES: Magne-Grip™ holder with magnetic hanging strap, users manual, type-K thermocouple (33XR-A, 34XR-A, 38XR-A only), batteries (installed), test leads



HD-110C and HD-160C Heavy-duty Multimeters

Built for harsh environments, these unusually rugged meters offer extra features and superior protection that keep them operating reliably in heavy-duty applications.

- Measures up to 1500 V dc and 1000 V ac and withstands transients up to 12 kV (CAT IV 1000 V) – unmatched by other digital multimeters
- IP 67 rated and sealed to prevent dirt, grime and moisture from entering the case and causing inaccurate readings or damaging shorts
- Tough, fire-retardant thermoplastic resists grease and chemical spills and other environmental hazards
- All sensitive components are shock-mounted for drop resistance to at least eight feet
- Magne-Grip™ holder with magnetic hanging strap frees both hands for work
- Automatic polarity indication
- Superior 10,000 count resolution with bar graph
- Digi-Glo™ bright backlight for superior visibility
- Auto power-off to save batteries plus low battery indication

FEATURE	HD110C	HD160C
DC Voltage	200.0 mV, 2.000 V, 20.00 V, 200.0 V, 1500 V	1000.0 mV, 10.000 V, 100.00 V, 1500.0 V
AC Voltage	200.0 mV, 2.000 V, 20.00 V, 200.0 V, 1000 V	1000.0 mV, 10.000 V, 100.00 V, 1000.0 V
Current AC/DC	200.0 µA, 2.000 mA, 20.00 mA, 200.0 mA, 2 A	100.00 µA, 1000.0 µA, 10.000 mA, 100.00 mA, 400.0 mA, 2.000 A
Resistance	200.0 Ω, 2.000 kΩ, 20.00 kΩ, 200.0 kΩ, 2.000 MΩ, 20.00 MΩ	1000.0 Ω, 10.00 kΩ, 100.00 kΩ, 1000.0 kΩ, 10.000 MΩ, 40.00 MΩ
Diode	•	-
Continuity		•
Frequency	-	100.00 Hz, 1000.0 Hz, 10.000 kHz, 100.00 kHz, 1000.0 kHz, 10.000 M Hz
Capacitance	-	40.00 nF, 400.0 nF, 4.000 µF, 40.00 µF, 400.0 µF
Temperature	-	-4 °F → 2372 °F (-20 °C → 1300°C)
True-rms	-	•

INCLUDED ACCESSORIES: Test leads, batteries (installed), users manual, Magne-Grip™ holder with magnetic hanging strap



RECOMMENDED ACCESSORIES

- DL248D Deluxe Test Leads Kit (See Page 76)
- CT235A Clamp Attachment
- CT237B Clamp Attachment
- CT238A Clamp Attachment (See Page 77)



RECOMMENDED ACCESSORIES

- DL248D Deluxe Test Leads Kit (See Page 76)
- CT235A Clamp Attachment
- CT237B Clamp Attachment
- CT238A Clamp Attachment (See Page 77)
- 385W-A R5232 Software/Cable (38XR-A DMM) (See Page 79)



For detailed specifications go to www.Amprobe.com



ORDERING INFORMATION

- 30XR-A MANUAL RANGING DIGITAL MULTIMETER
- 33XR-A MANUAL RANGING DIGITAL MULTIMETER
- 34XR-A TRMS DIGITAL MULTIMETER
- 37XR-A TRMS DIGITAL MULTIMETER
- 38XR-A TRMS DIGITAL MULTIMETER W/OPTICAL PC INTERFACE



For detailed specifications go to www.Amprobe.com



ORDERING INFORMATION

- HD110C HEAVY-DUTY DIGITAL MULTIMETER
- HD160C HEAVY-DUTY DIGITAL MULTIMETER WITH TRUE-RMS