EXTECH INSTRUMENTS
A FLIR COMPANY

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PRODUCT DATASHEET

Mini DC/AC Clamp Meters

Ideal for low current measurements

Extech's Mini Clamp Meters, with their high resolution, are the ideal tools for accurately measuring very low AC & DC currents. Smaller in size than traditional clamp meters, they easily fit into tight spaces.

380942

380941

380947

Features:

- Three models provide high Accuracy and Resolution
- Large 4000 count LCD display with full function indication
- Fast 40 segment analog bargraph
- One touch "Auto Zero" for DCA measurements eliminates the need to turn a knob to zero adjust
- Measure current draw when conducting energy usage audits
- Data hold, Max/Min recall display
- 0.9" (23mm) clamp jaw opening
- Overload protection to 400A DC
- True RMS models recommended for measurements where distortion may otherwise cause inaccuracies
- Optional 3-prong AC Line Separator enables safe and easy measurements on power cables with molded plugs (splits hot conductor from neutral and ground)

Specifications	380942	380941	380947
True RMS	True RMS	—	True RMS
AC Current:	30A	200A	4A/40A/100A/400A
Resolution	0.1mA	100mA	1mA/10mA/100mA/100mA
Accuracy	±(2.0%+5d)@50/60Hz	±(1.0% +2d)	±(1.5% +3d)
DC Current:	30A	40A	40A/400A
Resolution	1mA	10mA	10mA/100mA
Accuracy	—	±(1.0% +2d)	±(1.0% +2d)
AC Voltage:	400V	400V	—
Resolution	0.1V	0.1V	
Accuracy	±(2.0%+5d)	±(1.5% +4d) (50/60Hz)	
DC Voltage:	400V	400V	—
Resolution	0.1V	0.1V	
Accuracy	±(1.0%+2d)	±(1.0% +2d)	
Resistance:	—	400Ω	—
Resolution		0.1Ω	
Accuracy		±(1.5% +2d)	
Frequency:	—	10kHz	10kHz
Resolution		0.01Hz	0.01Hz
Accuracy		±(0.5% +2d)	±(0.5% +2d)
Dimensions:	7.2x2.5x1.4" (183x64x36mm)	7x1.75x1.25" (178x45x32mm)	7.2x2.5x1.4" (183x64x36mm)
Weight:	6.2 oz (190g)	6 oz (170g)	6.2 oz (190g)

Ordering Information

380942.....True RMS 30A Mini Clamp Meter
380942-NIST ....380942 with Certificate of Calibration Traceable to NIST

380941.....200 Amp DC/AC Mini Clamp DMM
380941-NIST ....380941 with Certificate of Calibration Traceable to NIST

380947.....True RMS DC/AC Mini Clamp Meter
380947-NIST ....380947 with Certificate of Calibration Traceable to NIST

Accessories
480172.....AC Line Separator - 3 prong

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