EXTECH INSTRUMENTS
A FLIR COMPANY

Experience the Extech Advantage

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.

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)



380942



380941



380947

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

c UL us LISTED CE EN 61010-1 CAT III 300V

Specifications subject to change without notice.
Copyright © 2007-2011 Extech Instruments Corporation. All rights reserved including the right of reproduction in whole or in part in any form.