

Owner's Guide

EXTECH
INSTRUMENTS

Model TK32

True RMS Professional Electrical HVAC Current Clamp Meter Test Kit



Introduction

Congratulations on your purchase of the Extech Model TK32 Current Clamp Meter Test Kit.. This kit is housed in a lightweight protective case and includes a Clamp DMM, Voltage Detector, Line Splitter, Temperature Probe, and Cables. Operation instructions for these units are detailed in the supplied manuals and are beyond the scope of this guide.

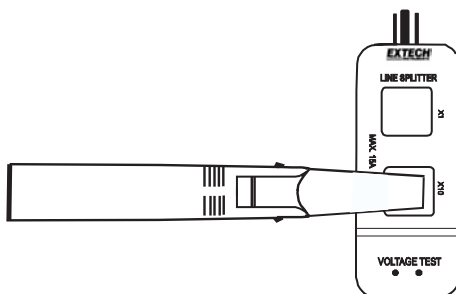
Contents of Kit

- Model 38389 600A True RMS AC/DC Clamp Meter
- Model 480172 AC Line Splitter
- Model 40130 Voltage Detector
- Set of 1000V Category III test leads
- Type K thermocouple temperature probe
- Model CA900 Carrying Case
- Operation Manuals for the Models 38389 and TK32

Current Clamp and Line Splitter

Line Splitter

The supplied Line Splitter provides a means to cleanly "open" a standard 120V line cord in order to make clamp type current measurements. When connected between the 120V AC wall outlet and the device under test, the Current Clamp can then be clamped on one of the two test openings in the Splitter. One opening provides a one-to-one current reading and the other provides a times-ten (X10) reading so that small current will display with better resolution on the clamp meter.



Line Splitter Operation:

Current Measurements

1. Plug the AC Line Splitter into the 120V receptacle
2. Plug the line cord from the load into the AC Line Splitter socket
3. Close the Clamp-on jaws around either the X1 or X10 arm of the AC Line Splitter
4. If the X1 position is used, read the current directly on the meter
5. If the X10 position is used, divide the meter reading by 10 to obtain the actual current

Voltage Measurements

1. Plug the AC Line Splitter into the 120V receptacle
2. Insert the multimeter test leads into the two Voltage Test jacks
3. Read the voltage on the multimeter



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