

REED

Model R5400

AC Line Splitter



Instruction Manual

www.reedinstruments.com

REED Instruments

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Safety

For indoor use and in accordance with Overvoltage Category II 600V, Pollution Degree 2.



Double insulation

Features

- Enables clamp meter user to measure AC current on a 2-wire or 3-wire power cord
- Plugging the power connector into the line splitter separates the hot/live conductor from the neutral and ground
- Provides safe measurements of current without the need to cut off the plug and separate the conductors
- Voltage check function
- Designed for use with clamp meters
- Increases basic meter sensitivity by a factor of 10

Specifications

Current:	15A max
Voltage:	120V/220V, 50/60Hz
Operating Temperature:	32°F to 122°F (0°C to 50°C)
Storage Temperature:	-4°F to 140°F (-20°C to 60°C)
Relative Humidity:	<70% operating, <80% storage
Operating Altitude:	7000' (2000m) maximum
Dimensions:	5.25 x 2 x 1" (133 x 51 x 25mm)
Weight:	5.8 oz (165g)

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Operating Instructions

The Line Splitter provides a means to cleanly “open” a standard 120V AC line cord in order to take clamp type current measurements. When connected between the 120V AC wall outlet and the measuring unit, a clamp meter can then be clamped around 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 smaller currents will display with better resolution on a clamp meter.

Current Measurements

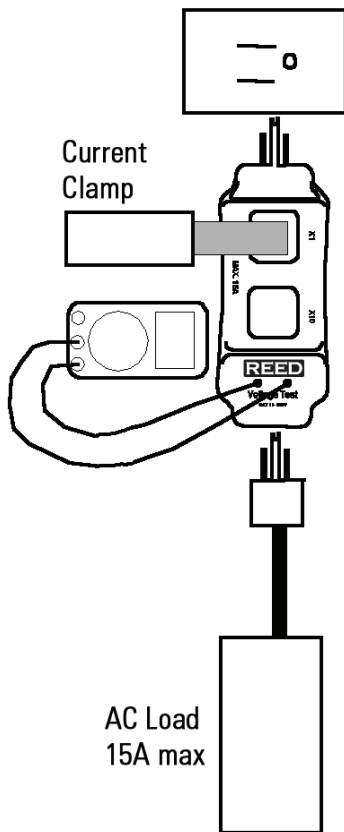
1. Plug the AC Line Splitter into the 120V receptacle
2. Plug the line cord from the load into the AC Line Splitter socket
3. Close the clamp-on jaws around either the X1 or X10 arm of the AC Line Splitter
4. If the X1 position is used, read the current directly on the meter
5. If the X10 position is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

NOTE: The line cord is made to fit in an North American standard sized socket.

120V Receptacle



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