



Specifications

- 2 independent Volt and Ammeters for all PoE methods. For measuring passive and 802.3af type PoE, 802.3at, and also DC power supplies.
- 5 Operations – display Voltage, Current and Power if
 - 802.3af detection – blue LED flashes if a PoE switch is active
 - Mode A voltage on pins 1,2 and 3,6 of the RJ45 connector
 - Mode B voltage on pins 4,5 and 7,8 of the RJ45 connector
 - 2.1mm DC plug connector – shares the display with Mode A
 - B and A can operate at the same time with different supplies
- Voltage Range
 - Mode A and DC connector – 20v to 56v
 - Mode B – 7v to 56v
 - 1% accuracy
- Amps measured
 - Mode A and Mode B – 0 to 1 amp
 - DC connector – 0 to 5 amps
 - 2% accuracy at currents over 10% of maximum
- Display modes – repeating cycle of
 - U indicates Voltage
 - A indicates Amps
 - P indicates Power – Volts * Amps
 - Blue LED indicates reversed power.
- Data compatibility: 10/100 and gigabit data rates are supported in all modes – transformer isolated data passes thru on all 4 pairs.
- Can also be used as a PoE injector or PoE splitter for mode A
- Test a power supply with the included 2.1mm jumper cable

Connect the PoE tester load side to your device. Connect the PoE tester Source side to your Switch or Injector.

568A input acts as an Ethernet crossover cable for pins 1,2 and 3,6. **568B input** is straight thru on all pins to the **568B output**. Pins 4,5 and 7,8 have no crossover.

Once power is flowing to the device, the PoE tester will display the Volts (U) the Amps (A) and Volts * Amps as Power (P). The display will cycle thru these values. The current is measured by the current flowing from the source RJ45 connector to the load RJ45 connector.

Passive PoE - If the source is passive PoE – then the voltage will be displayed with or without load. Most passive PoE use Mode B (45 + and 78 -). If the PoE is reversed, then the Blue Reverse LED will light up. Our WS-RJ45 can be used for reverse PoE. Power and data will be present on the LOAD side of the tester. Once current is flowing, the Amps and Power will be displayed in rotation.

802.3af - If the source is an 802.3af switch, then there will be no indication until an 802.3af compatible load device is connected. Connect the Switch to either the 568A or 568B input. Once a 802.3af device is connected, the voltage, current and power will be displayed. Note – if there is no load connected, and you see a pulsing blue light – then move the switch to the other 568 input.

802.3at - An 802.3at compatible PoE switch should provide power on all 4 pairs of the Ethernet cable – in this case – both displays will activate – and the power is the total of the two displays.

DC connector – A power supply can be tested with this device. Connect the 2.1mm Source connector to the PoE tester, the voltage will be displayed. Connect the load side to the device to be powered, for example with a WS-POE-16 multiport injector – the total load of all devices will be displayed on the Mode A display. Note – it is possible to use the DC connector and Mode B at the same time.

Testing 18v or lower power supplies. A WS-POE-IO set is required to Test power supplies with less than 20 volts via the 2.1mm connector



**See also our
Multi PoE injectors**

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