POE2000 Pro PoE Tester

USER MANUAL

Introduction

Thank you for purchasing the *Triplett POE200 POE TESTER PRO.* Please read the manual carefully before using the product. This tester helps to speed up the installation and troubleshooting of PoE systems devices. The Main Functions of this tester are:

- Detecting PSE-type/class, power source, polarity and voltage
- Determining-standard PoE or NON-standard passive PoE
- Inline Power Level Monitoring

The standard compliance this tester works for are:
- IEEE 802.3 af,(PoE)
- IEEE 802.3 at (PoE+)
- IEEE 802.3 bt (PoE ++)

Description

1	RJ45 PSE Test Jack
2	(2) LED indicators for Power Type Reverse (REV) Polarity
3	(4) LED indicators for IEEE 802.3 af or IEE802.3 at/bt Standard
4	LCD Display for Voltage , Current and Power
5	STEP Button for selecting specific data to be displayed (Default is Voltage)
6	RJ45 PD Test Jack

Operation

Note: This tester does not need a battery to operate as it uses system power when connected to a device.

● Connect to RJ45 PSE Test Jack for PSE type tests (PoE switches, PoE midspan switches, PoE (Active / Passive) injectors.

● Connect to RJ45 PD Test Jack for PD tests (IP camera, IP phone and Wireless AP and Other Network Appliances.

● Connect Inline for Inline Power Level Monitoring (Voltage (V), Current (mA/A), Power (W)

Pressing the **STEP** Button allows the selection of specific test data for reading.

Display Ledger

Either IEEE 802.3 af or 802.3 at compliant standard and either Endspan, Midspan or Ultra-4 pair Power Source

IEEE 802.3 af - Power Source End (A)

IEEE 802.3 at - Power Source End (A)

IEEE 802.3 af - Power Source Mid (B)

IEEE 802.3 at - Power Source Mid (B)

REVERESED Polarity Power Source either Endspan, Midspan or both

Numeric LCD for Inline Power Testing (U) Voltage, (A) Current, (P) Power
STEP Button cycles:
 Voltage →Current→Power

Test Modes

There are (3) Modes of operation for this tester selectable by the switch at the rear of the tester. The function modes are as follows:

T mode: for detecting PSE status
N mode: for determining NON-standard PoE + inline testing
I mode: for testing and monitoring real time power status

Operation Notes

- When performing Inline Testing in T-Mode connect to the PSE side of the tester first .until voltage is displayed, then connect PD side.

- The length of the cable and the quality of the cable or the pin location in the RJ45 connector can affect the real power available. To ensure the power at the other end of the wall outlet is what is required for PD test the wattage level at the wall outlet/jack where the PD plugs in.

- The STEP button allows you to select specific test data for easier reading .Pressing this button once will change auto-rotate to step mode, and voltage display will be the default measurement. Press the button again to select current or power display.

- To revert back to auto-rotate, disconnect the PSE side cable (If in Inline Testing disconnect PD side cable first, then disconnect the PSE

side of the cable), Reconnecting the PSE to the tester will start auto-rotate display.

- To perform a reset, first unplug the cable from PD side, next unplug the PSE side cable. Reconnect the PSE side until voltage values are displayed then connect to the PD to be tested.

- The tester cannot measure and test PD alone, it has to be connected to a PSE first, Once this is done then connect to the PD, after negotiation process, the tester will start power Level testing.

CAUTION: Before connecting PD to the tester make sure that the PD to be connected is either a standard PoE powered device or a non-PoE powered device to avoid damaging a non-PoE device is damaged by a non-standard passive PoE power.**

LIMITED WARRANTY
The manufacturer warrants to the original consumer that this product is in good working order for a period of one year from the date of manufacture or the date of purchase. During this period, the product will be repaired or replaced without charge for either parts or labor. Repair or replacement as provided under this warranty is the exclusive remedy of the purchaser.

Specifications

Connector Interface	2X RJ45 jack (PSE test jack, PD test jack)
Support of testing	Standard active/passive PoE af,at & bt NON-standard passive PoE 11V to 60V PoE-PoH (power over HDBaseT) UPoE (Universal power over Ethernet)
Main Functions	* Detects PSE-type/class, power source, polarity and voltage * Determines-standard PoE or NON-standard passive PoE * Inline power level monitoring
Voltage range	Standard PoE 36V to 60V For both mode A & mode B NON-standard PoE 11V to 60V
Max Current (based on 50V)	990mA/50W per mode total 2 Amp/100W
Function Selection Mode	T mode: for detecting PSE status N mode: for determining NON-standard PoE + inline testing I mode: for testing and monitoring real time power status

Display	* 4 LEDs indicate IEEE 802.3 af or 802.3 at/bt standard.
	* Dual 7-digit LEDs indicate power source either End (A)
	   Span (1/2,3/6) or Mid (B) span (4/5,7/8) or both for bt.
	* 2 Yellow LEDs indicate reversed polarity for power type.
	* Display in rotation between voltage (U) (Vots), current
	   (A) (mAs) and power (P) (Watts).

Standard compliant	IEEE 802.3 af (PoE), 802.3 at (PoE+), and 802.3bt (PoE++) type3 & type4 standard.
Step Button	For selecting specific data to display. Default display for voltage value.
Operating Temp. Storage Temp.	32°F to 122°F (0°C to 50°C). -40°F to 131°F (-20°C to 55°C).
Operating Humidity	MAX 90% non−condensing.
Size	99 X 36 X 26mm / 3.9 X 1.4 X 1 inch. 0.1lb / 1.6oz.
Certification and compliance	CE, FCC, RoHS.