PoEsmart™ Power Over Ethernet Inline Tester

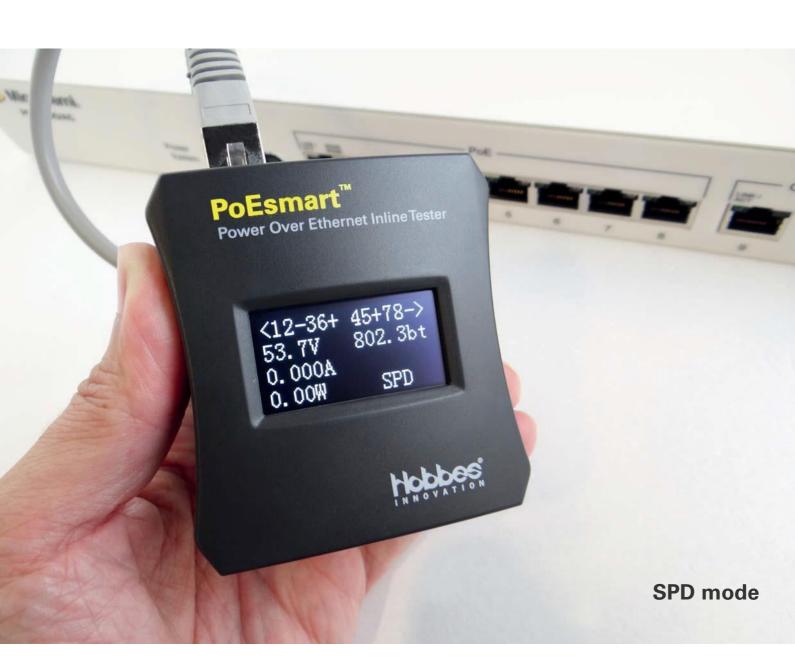# Real time IEEE 802.3bt inline status analysis and monitoring

OVERVIEW

PoEsmart 20103375 is a IEEE 802.3bt standard Power Over Ethernet inline tester that is effective and an essential device when operating PoE technology. It conducts power test from PSE (power sourcing equipment) and provide an informative power supply status of PoE systems during PoE system installations. It identifies PoE standard IEEE802.3af, IEEE802.3at or IEEE802.3bt of PSE without the need of having a separate PD (powered device). PoEsmart, is fitted with an internal PD to simulate a powered device known as SPD (simulate powered device). When connected with a PD, PoEsmart innovative technology is able to analyze and monitor the voltage, current and power status supplied by PSE without interrupting data flow.

KEY FEATURES

Compatible with IEEE 802.3af/at/bt standard

• Battery-free operation technology.

• Identifies PoE standard of PSE: IEEE802.3af, IEEE802.3at, IEEE802.3bt or
non-standard Passive PoE without having of a separate powered device.

• Identifies the polarity of PoE data pair and spare pair.

SPD mode

Real time inline status analysis and monitoring

• Monitor and troubleshoot IEEE802.3af/802.3at/802.3bt Type 3 (4PPoE) and
  802.3bt Type 4 standard PoE systems.

• Real time IEEE802.3bt inline status analysis and monitoring.

• Full display of PoE information without scrolling.

inline mode

• Measures voltage, current and power from DC supplies.

• Compact and lightweight design.

SPECIFICATION

Data rate

10/100/1000

DC power input

2.1mm DC barrel

Display range (DC input)

6.5 to 57 volts, 0 to 0.5 amps

Display range (PoE input)

12 to 57 volts, 0 to 1.5 amps

Maximum detected power

100W

Detection resolution

0.1V; 0.001A; 0.01W

Measurement accuracy

± 5%

Display type

OLED

Operating temperature range

-10 to 60ºC

Operating humidity

5% to 90%

SPECIFICATION

PoE method

Standard BT PD

PoE standard supported

IEEE 802.3af/at/bt

Dimension

74mm x 67.9mm x 25.3mm

Weight

75g

ORDER INFORMATION

Best.nr 20103375 packaging includes:

• PoEsmart

• 15cm long FTP Ethernet cable x 1

• DC power cable x 1

• User manual