

# PoEz™

## Power Over Ethernet Detector

PoEz 256318 is a Power Over Ethernet Detector that can be used for PSE (power source equipment), power supply status detection during PoE system or CCTV system installation. It can distinguished whether the PSE power supply by Passive mode under the IEEE 802.3AF/AT/UPoE/BT standard or by non-standard Active mode. It can monitor the current PSE power supply status after connecting the other end to a PD (powered device) or to Hobbes PoEz PDS (powered device simulator) 256318/PDS. PoEz is designed with an OLED high resolution display for user to view the receiving voltage, current and power of PD. It is also able to distinguished the circuit polarity of PoE during PoE system installation or troubleshooting.

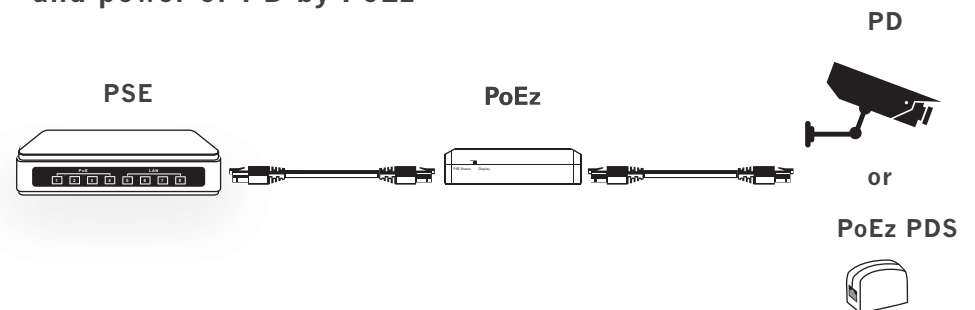
PATENT PENDING



### Features

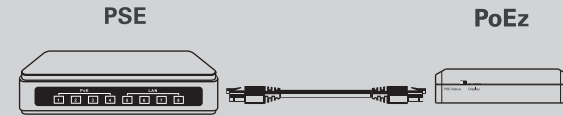
- New battery-free operation technology
- Monitor and troubleshoot the IEEE 802.3AF / 802.3AT(PoE+) / UPoE / 802.3BT Type 3(4PPoE) and 802.3BT Type 4 standard PoE system with Hobbes PoEz PDS 256318/PDS
- Compact and lightweight design
- Monitoring the current PoE status with an easy to read display
- Compatible with new IEEE 802.3BT Type 4 standard

Real-time monitoring the receiving voltage, current and power of PD by PoEz

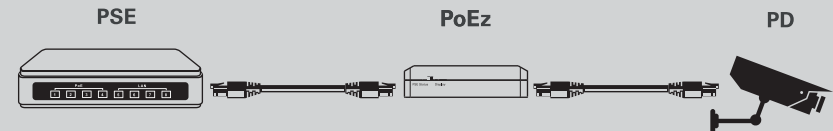




## Distinguished PSE status by PoEz



## Long term PoE monitoring by PoEz



## Specification

### Detection resolution

Voltage: 1V

Current: 0.01A

Power: 1W

### Measurement accuracy

Power:  $\pm 1W$

### Maximum detected power

160W (Mode A 80W, Mode B 80W)

### Dimension

32mm x 86mm x 22mm

## Order Information

**256318 PoEz** Power Over Ethernet Detector

**256318PDS PoEz PDS** Powered Device Simulator

**256318K PoEz Kit** Power Over Ethernet Detector with Powered Device Simulator

## OLED Display Explanation

<b>1236</b>	————	PSE is sending power through pair 12 and pair 36 as Mode A endspan
<b>48V</b>	————	PSE is sending 48 Volts to PD at present
<b>0.12A</b>	————	PSE is sending 0.12 Amps to PD at present
<b>5W</b>	————	PSE is sending 5 Watts to PD at present
<b>4578</b>	————	PSE is sending power through pair 45 and pair 78 as Mode B midspan
<b>50V</b>	————	PSE is sending 50 Volts to PD at present
<b>0.20A</b>	————	PSE is sending 0.20 Amps to PD at present
<b>10W</b>	————	PSE is sending 10 Watts to PD at present

<b>1236 4578</b>	————	PSE is sending power through pair 12, pair 36, pair 45 and pair 78 as PoE++ or IEEE 802.3BT
<b>52V 52V</b>	————	PSE is sending 52 Volts through pair 12, pair 36, pair 45 and pair 78 to PD at present
<b>0.92A 0.91A</b>	————	PSE is sending 0.92 Amps through pair 12 and pair 36 to PD at present, it's also sending 0.91 Amps through pair 45 and pair 78 to PD at present
<b>48W 48W</b>	————	PSE is sending total 96 Watts to PD at present