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› PoE Texas PoE Detector & PoE Tester Tool Kit (Gen2.5) User Manual

PoE Texas POE-DETECTOR

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Brand: PoE Texas | Model: POE-DETECTOR

1. INTRODUCTION

The PoE Texas PoE Detector & PoE Tester Tool Kit (Gen2.5) provides essential tools for network professionals and enthusiasts working with Power over Ethernet (PoE) systems. This kit includes a PoE Detector for identifying power sources and a PoE Tester for measuring power consumption and activating PoE ports. Designed for efficiency and safety, these devices help streamline installations and diagnose network issues without the need for external power.



The PoE Texas PoE Detector and PoE Tester Gen2.5 are compact, yellow-cased devices designed for network testing. The Detector is smaller, with LED indicators, while the Tester features a digital display.

2. PRODUCT OVERVIEW

2.1. PoE Detector

The PoE Detector is a compact device designed to quickly identify the presence and type of Power over Ethernet on a network line. It helps prevent damage to non-PoE devices by confirming power status before connection.

2.2. PoE Tester Gen2.5

The PoE Tester Gen2.5 is an inline tool that measures voltage, current, and power usage of Power over Ethernet connections. It can also activate AF/AT PoE switch ports, making it invaluable for troubleshooting and verifying PoE installations.

PoE Tester

- Measures power consumption from DC power supplies
- Activates any port on an AF/AT PoE switch and measures PoE power

PoE Detector

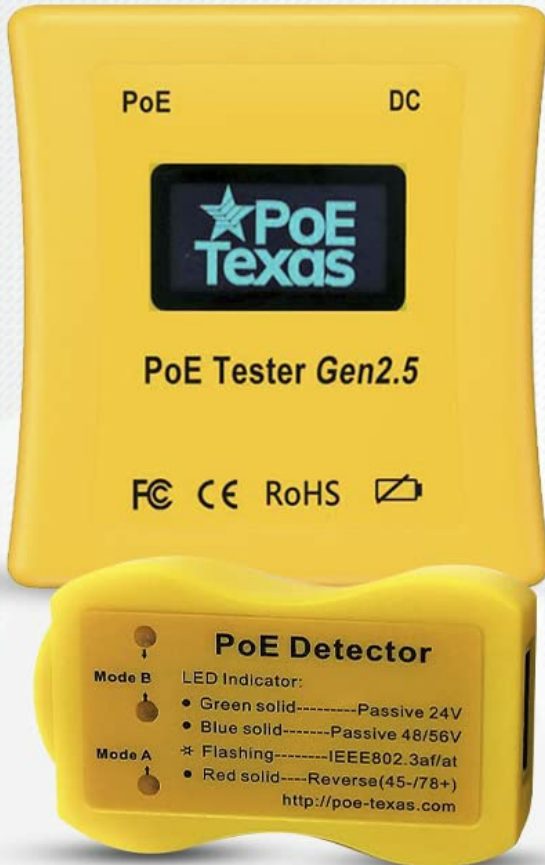
- Identifies PoE type
- Detects power supply on the network line



This image illustrates the primary functions of each device: the PoE Tester measures power consumption and activates PoE switch ports, while the PoE Detector identifies PoE types and detects power on network lines.

3. SETUP

Both the PoE Detector and PoE Tester are designed for immediate use without requiring batteries or external power. They draw power directly from the network line when connected. Simply connect the device inline with your Ethernet cable to begin testing.



No Batteries & No Charging

Our PoE Tools draw power from the network line when in use, making them completely self-sufficient

This image emphasizes that both the PoE Detector and PoE Tester Gen2.5 are self-sufficient, drawing power directly from the network line during use, eliminating the need for batteries or external charging.

4. OPERATING INSTRUCTIONS

4.1. PoE Detector Usage

To use the PoE Detector, connect one end of an Ethernet cable from your network source (e.g., PoE switch) to the input port of the Detector. Connect the other end of the Detector to your network device or another cable. The LED indicators on the Detector will illuminate to show the presence and type of PoE:

- **Green solid:** Passive 24V
- **Blue solid:** Passive 48/56V
- **Flashing:** IEEE 802.3af/at
- **Red solid:** Reverse (45-/78+)

This allows for safe installation of devices like cameras, Wi-Fi access points, and IP phones by confirming the correct power delivery.

PoE Detector

Easily detect:

- IEEE 802.3af
- IEEE 802.3at
- 24 Volt Passive & Reverse Polarity Mode B for Cambium and Canopy



A detailed view of the PoE Detector highlights its LED indicators and the printed legend. It shows how to easily detect IEEE 802.3af, IEEE 802.3at, 24 Volt Passive, and Reverse Polarity Mode B for various network devices.

A yellow, handheld PoE Detector with a blue cable attached. The device has a small LED display and some text on its side.

PoE Detector Improves Safety & Efficiency

- Use to safely install cameras, wifi access points, tablets, IP phones and more without damaging your device

A user is shown holding the PoE Detector, connected to an Ethernet cable within a server rack. This demonstrates its use for safely installing network devices like cameras, Wi-Fi access points, and IP phones by detecting power before connection.

4.2. PoE Tester Gen2.5 Usage

The PoE Tester Gen2.5 is used inline to measure power characteristics. Connect the Ethernet cable from your PoE source to the 'PoE In' port on the Tester. Connect the 'PoE Out' port to your powered device. The bright LED display will show real-time measurements including DC power supply voltages (3.5 to 56 volts) and current (up to 280 watts at 56 volts). It also displays Mode A & Mode B from 20v to 56 volts. The Tester can activate any port on an AF/AT PoE switch, which is useful for diagnosing PoE problems and observing power loss over the Ethernet cable.

PoE Tester

- Bright, easy-to-read LED display
- Displays Mode A & Mode B from 20v to 56 volts in PoE mode
- Measures DC power supply voltages from 3.5 to 56 volts and current up to 280 watts at 56 volts



The PoE Tester Gen2.5 is displayed, showcasing its bright, easy-to-read LED screen. It measures DC power supply voltages from 3.5 to 56 volts and current up to 280 watts at 56 volts, displaying Mode A & Mode B from 20v to 56 volts.

PoE Tester

**Troubleshoot PoE connectivity issues
and cut down on diagnostics time.**



“Simulate Mode” simulates a PoE switch, allowing you to effectively test your devices. Easily observe loss in power over the Ethernet cable.

The PoE Tester Gen2.5 is shown alongside digital devices, highlighting its role in troubleshooting PoE connectivity issues and observing power loss in Ethernet cables, including a 'Simulate Mode' for device testing.

5. MAINTENANCE

The PoE Detector and PoE Tester require minimal maintenance.

- **Cleaning:** Wipe the devices with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures.
- **General Care:** Avoid dropping the devices or exposing them to excessive force, as this may damage internal components or the display.

6. TROUBLESHOOTING

If you encounter issues with your PoE Detector or PoE Tester, consider the following:

- **No LED indication on Detector:** Ensure the Ethernet cable is properly connected and that the network line is active

- and supplying PoE. Check for cable damage.
- **No display on Tester:** Verify that the PoE source is active and providing power. Ensure all connections are secure. The device draws power from the line, so an inactive line will result in no display.
 - **Incorrect readings:** Double-check all cable connections. Ensure the devices are used inline as instructed. If issues persist, test with a known working PoE source and device.
 - **Device not powering up:** If the PoE Tester is used to activate a port and the device still doesn't power up, verify the device's power requirements match the PoE standard detected by the Tester.

7. SPECIFICATIONS

Refer to the table below for detailed specifications of the PoE Detector & PoE Tester Tool Kit (Gen2.5).

Specification	Detail
Item Model Number	POE-DETECTOR
Package Dimensions	4 x 3.9 x 1.5 inches
Item Weight	2.12 ounces (0.06 Kilograms)
Manufacturer	PoE Texas
Power Source	Network Powered
Color	POE TESTER DETECTOR GEN2
Min. Operating Voltage	12 Volts (DC)

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact PoE Texas directly. Refer to the official PoE Texas website or your purchase documentation for contact details and warranty terms.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question