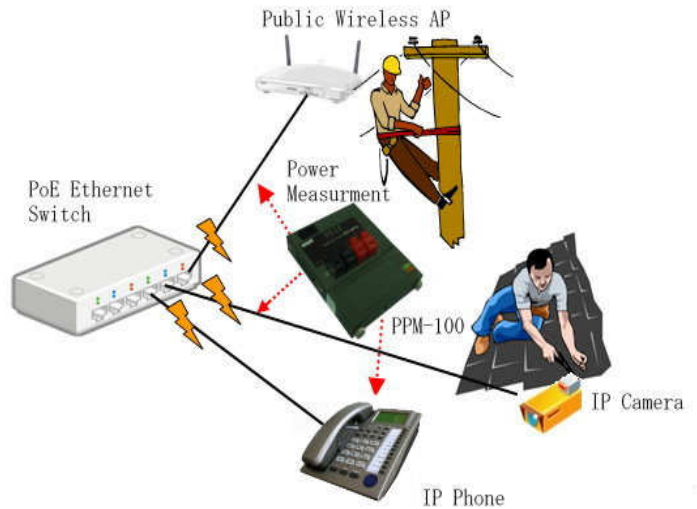


PoE Power Meter PPM-100



PPM-100 OVERVIEW

PPM-100 is a handheld power tester for the applications of Power over Ethernet (PoE). It can perform the on-site test and measurement of the running voltage and the supplying power available for the PoE powered device (PD) at the end of Ethernet cable terminal in any length.

In general, a PoE Power Sourcing Equipment (PSE) provides the Power over Ethernet to the PD for a nominal distance of 100 meters. In practice, however, the power from PSE may fail to meet the requirement of the remote PD due to unpredictable clues such as the cabling length, the wire connection in RJ-45 connector, and the quality of network cable.

PPM-100 provides for field engineer a convenient

on-site tester to verify PoE, measure the voltage, and examine the maximum power from PSE to the PD at the end point of the Ethernet cable.

Powered by replaceable and rechargeable battery, the portable PPM-100 allows the technical personnel to test terminal for PD at any locations. With 3-digit LED display, it shows the PoE status and the maximum power results of PSE. With built-in Terminal Block connectors, PPM-100 is able to clamp and hold the bare wires of network cable for test before clamping into the RJ-45 connector. Pass/Fail LED indicators may inform technician the results instantly.

PPM-100 is truly the best handy tool for the installation of PD device. The test procedures shall successfully guarantee the PoE power provision to PD device.

KEY FEATURES

- Measurement of power status from PSE to PD in PoE network
- 3-digit LED display showing maximum available power (watt) and running voltage.
- Handheld and Battery-charged tester for on-site PoE status measurement
- Power measurement for standard PSE of IEEE 802.3af and high-power mid-span PSE.
- Support both end-point and mid-span PoE connections.
- Built-in Terminal Block connectors for bare wire clamping to debug RJ-45 wire clamping/connection.
- PSE Isolation and problem debug before connection to PD.
- Pass/Fail Bi-color LED indicators for on-site PoE problem debug or abnormal power status
- Console port for Firmware Upgrade
- Rechargeable battery pack with power ON/OFF switch
- Battery Low Indicator
- Handy neck belt for holding the device during field test.
- Built-in temperature sensor for overheat protection if high-power load test is applied.

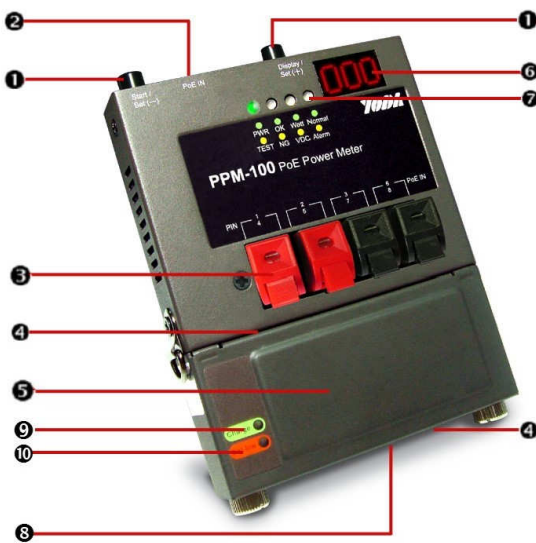
BENEFITS

- Handheld power meter for On-site PoE test.
- Examine the maximum power supply to network cable to prevent from unsuitable PD overload.
- 3-digit LED display showing the running voltage and the maximum PoE power.
- Support both end-point and mid-span PoE devices.
- Firmware Upgradable.
- Attachable neck belt making easy for the test in field.
- Verify instantly PoE power status for PD installation.
- Replaceable and rechargeable battery pack.
- Problem debug of PoE UTP cable by wire clamping before insertion to the RJ-45 connector.
- Save time of PoE equipment installation.
- Quality assurance of power status for PoE equipment.

MAIN APPLICATIONS

- On-site PoE power measurement for PD installation.
- Power verification of PSE including the IEEE802.3af standard and high-power mid-span PSE.
- Problem debug and cable wiring for PD installations.
- Handy tool for field engineer in PoE network deployment and services provided by ISP/Telecom company.

ILLUSTRATION



① Operation Buttons	② PoE UTP Port
③ Wire Terminal Block	④ Power Input USB Port
⑤ External Battery Pack	⑥ LED Display Panel
⑦ LED Indicators	⑧ On/Off Switch
⑨ Charge Indicator	⑩ Battery Low Indicator

SPECIFICATIONS

- Interface:
 - Top Side:
 - ◆ 4 x Wire Terminals connectors for bare wire clamping
 - Front Side
 - ◆ 1 x Network UTP port for PoE Network Cable connector
- LED indicators (ILLUSTRATION 7)
 - PWR / TEST: Power Normal / Test in progress
 - OK / NG: Indicating test results
 - WATT / VDC: Indicating the units for the 3-digit LED Display. Watt is for the unit of power, and Volt for DC.
 - Normal / Alarm: Status of temperature reading for 3-digit LED display. Alarm is on if the tester is overheated.
- LED Display Panel
 - 3-digit LED Display: Shows the measured voltage, watt, and the temperature inside the device.
- Operation Buttons
 - Start / Set (—): Start to measure maximum PoE power and Voltage. After holding **Start button for more than 3 seconds and hearing a “beep” sound, start to set the minimal power for threshold by the (—) or (+) button.**
 - Display / Set (+): **Display the measured PoE power/VDC.**
 - ◆ VDC LED: Current unit is in Volt for PoE Voltage.
 - ◆ Watt LED: Current unit is Watt for PoE power.
 - ◆ Temperature LED: (same as Normal/Alarm LED) Current unit is in degree C for the tester.
- External Battery Pack
 - Attachable to PPM-100 for on-site test
 - USB port of both PPM-100 and battery pack are all for power supply or charge purpose without data link to PC
- Humidity:
 - Operating: 0% ~ 85% RH
 - Storage: 0% ~ 85% RH
- Dimensions:
 - 95 mm x 76.6 mm x19.6 mm (without battery pack)

