

Vi00024

PoE Maximum Load Meter w/ Voltage & Power Monitor

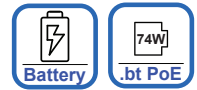
Features

- Confirms if a network can provide sufficient PoE power before installing the camera
- Measures the maximum PoE power at any point of a network
- Compliant to IEEE 802.3af/at/bt standard PoE up to 74W
- Operates in Auto or manual mode to measure maximum available PoE
- Displays the PoE power and voltage on its OLED Display
- Compatible with 10/100/1000 Base-T Ethernet
- Its built in rechargeable battery can last several days of operation
- Patent pending



Applications

- Confirming network connections and PoE transmission
- Measuring the actual maximum available PoE at any point of network
- Verifying PoE source performance vs. installation requirements



Vigtron's patent pending Vi00024 is an innovative test tool that provides installation reliability by measuring PoE capacity at any point of a networks before installing a camera. The Vi00024 simulates PoE devices and measures the maximum PoE capacity received from the PoE source over the network. It is compliant with IEEE 802.3af/at/bt standard up to 74W.

The Vi00024 operates in both Manual and Auto mode. In manual mode the user can manually increase the PoE consumption of the Vi00024 until it reaches the maximum available PoE. In the auto mode, the Vi00024 with the push one bottom can measure maximum available PoE in a few seconds.

The Vi00024 includes a rechargeable battery that, can be charged via a USB type C connector using any standard USB charger. It is very low power and with a full charge can operate for several days.

The Vi00024's compact and light weight construction makes is easy to carry and use. It is easy to use and helps to speed up installations and prevent service calls by locating and helping to solve PoE problems.

Technical Specification*

Electrical

Connectors	PoE: RJ-45 USB: USB Type C, for charging internal battery
PoE Standards	IEEE 802.3af/at/bt and most non-standard PoE sources up to 74W
LED Indications	PoE Connection: Green BT: Yellow
Input PoE	Voltage Range: 37-57VDC Power: Maximum 74W
Control Input	Push Button
Operation Mode	Auto/Manual
Display	128x32 monochrome OLED
Displayed Info	PoE Voltage, Maximum PoE Power Internal Battery status
Battery	3.7V, 350mAh

Ordering Information

Part No.	Description
Vi00024	Maximum PoE Load Meter w/ Voltage and Power Monitor

Regulatory

Safety	CE
Environmental	RoHS, WEEE

Environmental

Humidity	0-95% non condensing
Operating Temperature	-20°C to +45°C
Storage Temperature	-20°C to +45°C

Mechanical

Dimensions	1.1 x 2.69 x 5.3in., 2.8 x 6.83 x 13.5 cm (HxWxL)
Weight	0.63 lb, 286 g
Housing	Sheet metal

USB Battery Charger

Output	5VDC, 1A Max.
Charge time	5 Hours with standard chargers
Input Voltage	120/220VAC
Connectors	USB type C

Accessories

4 feet RJ45 Ethernet cable
USB Battery Charger (UK, US, EU & AU plugs)
Two-feet USB-Type C cable
Carrying Case

Warning

The Vi00024 can be warm during operation. Over temperature will result in device shut down.

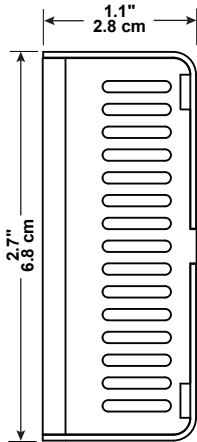
*Specifications subject to change without notice.



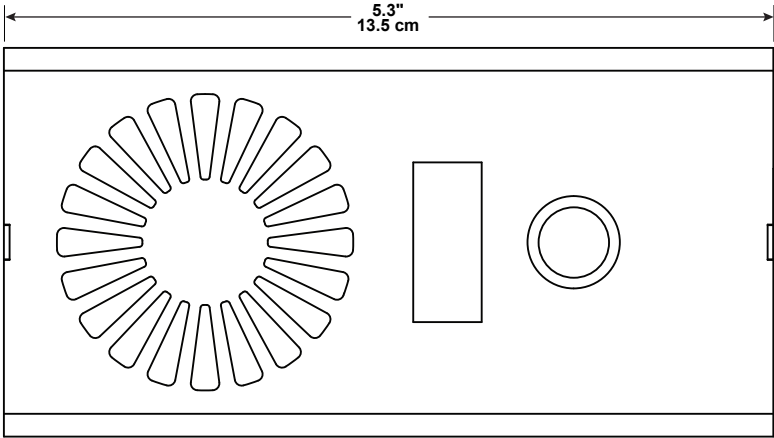
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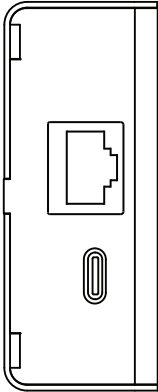
Mechanical Drawings



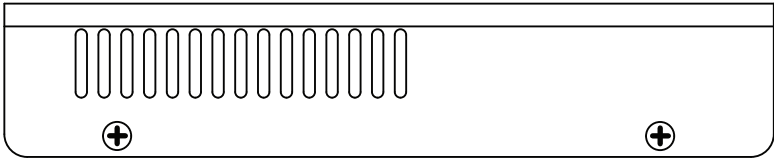
Front View



Top View



Rear View

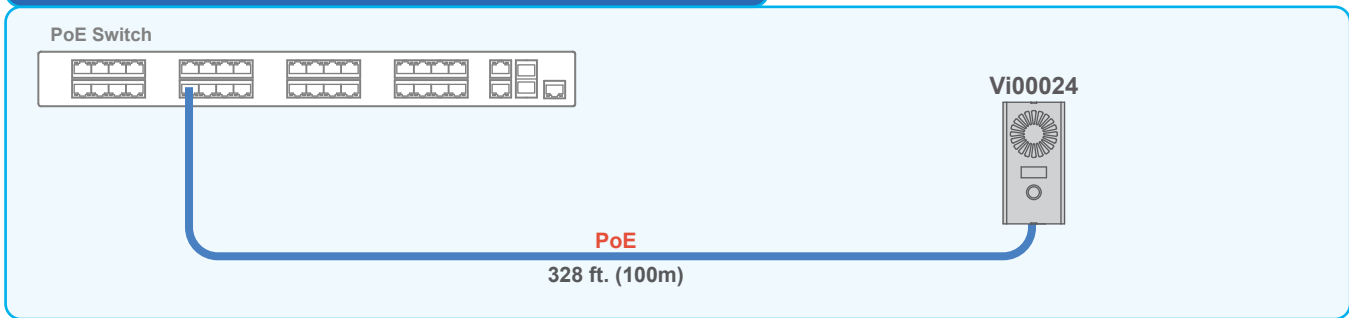


Side View

Application Drawings

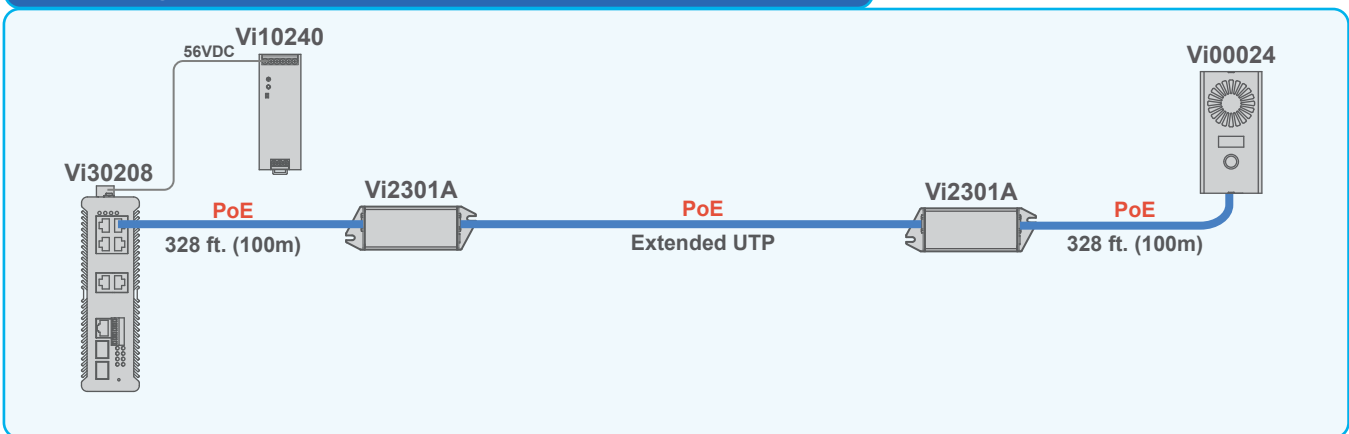
— Cat 5/6
— Coax

Measuring Maximum PoE over a standard network



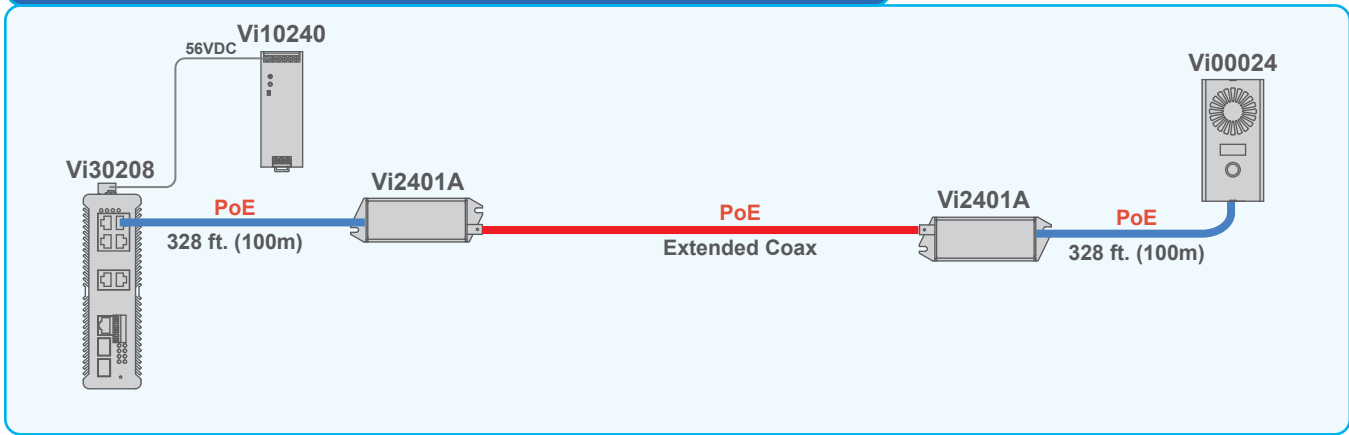
The Vi00024 can measure Maximum available PoE up to 74W over standard networks.

Measuring Maximum PoE over an Extended UTP network



The Vi00024 can measure Maximum available PoE up to 74W over Extended UTP networks.

Measuring Maximum PoE over an Extended Coax network



The Vi00024 can measure Maximum available PoE over Extended Coax networks.