

PowerMate PoE Maximum Load Meter Voltage and Power Monitor User Manual

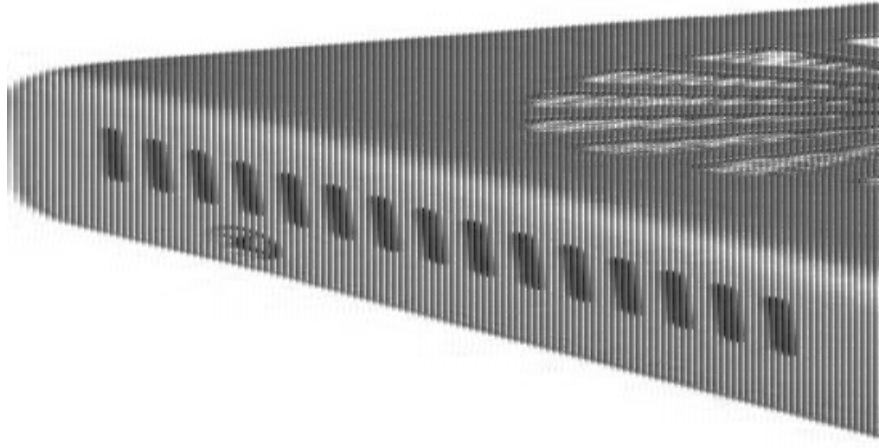
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PowerMate™

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PowerMate PoE Maximum Load Meter Voltage and Power Monitor User Manual



Vigitron's patent pending Vi00024 is an innovative test tool that 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.

Important Safety Warning

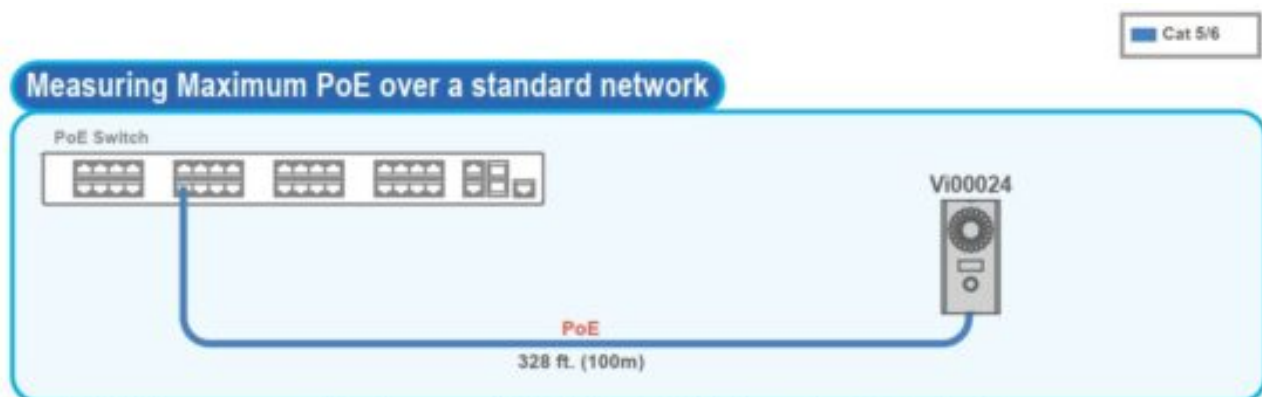
- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Use in accordance with the manufacturer's instructions.
- To reduce the risk of fire or electrical shock, do not expose these products to rain, moisture, dripping or splashing.
- No objects filled with liquids, such as vases, shall be placed on Vigitron equipment.
- DO NOT install the unit in a place where the operating ambient tempera ture exceeds 75°C.
- Only use attachments/accessories specified by the manufacturer.

- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as a power supply cord or plug is damaged, liquid has been spilled, or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- The network cable is used as the disconnect device and shall remain readily operable.

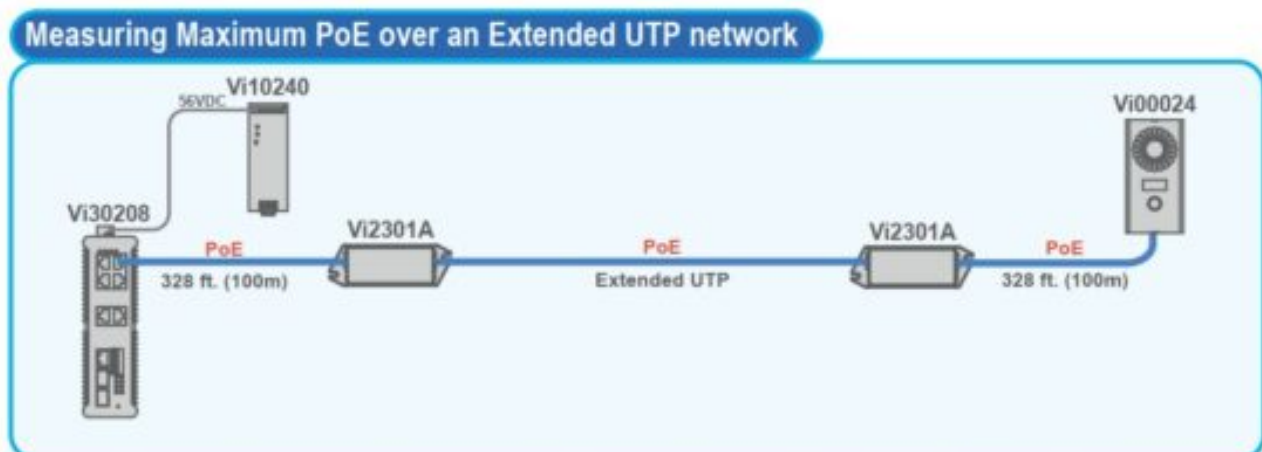


CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Application Drawing



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



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

The Vi00024 Setup

Turning On

- Hold down the Button to Turn ON the Vi00024 and view “Selection Menu” on the display .
- In Selection Menu:
 - Press Once for AUTO Mode.
 - Press Twice for Manual Mode

Auto Mode

After selecting Auto Mode the Vi00024 will turn on a PoE Load and increase the load gradually until the PoE source shuts down due to exceeding its maximum load capacity. Then the Vi00024 will display the maximum PoE level.

- Press Twice to exit the Auto Mode.

Manual Mode

In the Manual Mode select the load increase mode:

- Press Once for Class Mode
- Press Twice for 5W Mode

Class Mode

In this mode select the desired PoE Class.

- Press Twice to exit Manual/Class Mode.

5W Mode

In This mode Press Once each time to increase the PoE load by 5W up to 74W.

- If time out, Press Once to resume operation.
- Press Twice to exit Manual/5W Mode.

Turning Off

- Hold down the Button for 3 Second to turn off the Vi00024.
- If the Vi00024 is left idle for 1 minute, it will shut down unit time out

Technical Specifications*

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

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.

Status LEDs

LED Name	Color	Status	Function
PoE	GREEN	OFF	No PoE
		ON	PoE Active
802.3bt Level PoE	ORANGE	OFF	No .bt level PoE
		ON	.bt level PoE

Ordering Information

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

Limited Lifetime Warranty

Vigatron, Inc. warrants that all Vigatron products excluding batteries ("Product"), if used in accordance with these instructions, will be free of defects in material and workmanship for lifetime defined as the duration period of time until product end of life is announcement. After which Vigatron will continue to provide warranty services for a period of 3 years. Period covering valid warranty will be determined by proof of purchase in the form of an invoice from an authorized Vigatron dealer.

Warranty will only be provided for as long as the original end user purchaser owns the product. Warranty is not transferable. At Vigitron's option, defective product will be repaired, replaced or substituted with a product of equal value. This warranty does not apply if, in the judgment of Vigitron, Inc., the Product fails due to damage from shipment, handling, storage, accident, abuse or misuse, or if it has been used or maintained not conforming to Product manual instructions, has been modified, or serial number removed or defaced. Repair by anyone other than Vigitron, Inc. or an approved agent will void this warranty. Vigitron, Inc. shall not under any circumstances be liable to any person for any incidental, indirect or consequential damages, including damages resulting from use or malfunction of the product, loss of profits or revenues or costs of replacement goods. The maximum liability of Vigitron, Inc. under this warranty is limited to the original purchase price of the Product only.


Please contact Vigitron to learn about Limited Warranty for Rechargeable Batteries.

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