TECHNICAL DATA

Fluke Networks MicroScanner™ PoE Cable Verifier Kit

Key features

- Determine if a switch port can provide enough power by reporting PoE class (0-8)
- Displays network switch speeds capabilities up to 10G
- Displays PoE injector voltage level
- Displays cable length, wiremap, cable ID and distance to fault
- Locate and trace cable or wire pair with digital and analog toning with included Intellitone Pro 200 Probe
- Included Remote IDs help quickly determine network layout
- Validate and troubleshoot your Industrial Ethernet copper cabling, reducing downtime in time-sensitive industrial networks
- Quickly pinpoint cable defects in facilities where network cables are exposed to vibration, flexing, moisture, temperature changes and EMI from motor drives and other devices

Product overview: Fluke Networks MicroScanner™ PoE Cable Verifier Kit

MicroScanner™ PoE finds common errors and switch power capacity. Cables often fail in harsh industrial environments where cables are exposed to vibration, extreme flexing, moisture, expansion and contraction from temperature change. Failures result in costly production downtime so it's important to quickly identify where the cable is broken so it can be replaced or repaired. MicroScanner™ PoE performs continuity tests on all wires in a few seconds and displays results graphically so you can see opens, shorts, and cross wires. It also reports which end of the cable has a problem and reports the distance to an open connection within the cable.

The MicroScanner™ PoE also allows for easy installation/maintenance on IT, Security, PoE lighting, Ethernet based HVAC devices and IP based Building Automation systems. Troubleshoot quickly and easily with the oversized backlit LCD screen that displays clear results in bright light or complete dark with intuitive icons, and support of Class 1 to 8 PoE.

Specifications: Fluke Networks MicroScanner™ PoE Cable Verifier Kit

Specifications apply at 23 °C (73 °F), unless otherwise noted.

Environmental specifications	
Operating temperature	32 °F to 113 °F (0 °C to 45 °C)
Storage temperature	-4 °F to +140 °F (-20 °C to +60 °C)
Operating relative humidity (% RH without condensation)	90 % (50 °F to 95 °F 10 °C to 35 °C) 75 % (95 °F to 113 °F 35 °C to 45 °C)
Shock and Vibration	Random, 2 g, 5 Hz-500 Hz (Class 2) 1 m drop test with and without wiremap adapter attached
Safety	IEC 61010-1 3rd Edition
Altitude	4,000 m; Storage: 12,000 m
EMC	IEC 61326-1

General specifications	
Test connectors	Shielded 8-pin modular jack accepts 8-pin modular (RJ45) and 4-pin modular (RJ11) plugs.
Power	Battery type: 2 AA (NEDA 15A, IEC LR6) alkaline batteries Battery life: 20 hours of typical use Other compatible battery types: 2 AA photo lithium, NIMH, NICAD
Dimensions and weight (with batteries installed and wiremap adapter attached)	3 in x 6.4in x 1.4 in (7.6 cm x 16.3 cm x 3.6 cm) MicroScanner™ PoE: 10.6 oz (300 g)
Display	Monochrome LCD with backlight

Test modes	
Cable test	Measures length, verifies wiremap, identifies remote ID locators, and detects Ethernet ports. MicroScanner™ PoE also shows HIGH Ω when the resistance of the cable is more than 12.5 Ω. Displays results on one screen.
Tone	Generates Intellitone™ and normal analog toning signals
PoE	MicroScanner™ PoE: Solicits and detects the presence of 802.3af, at, bt, and UPOE (Cisco's Universal Power over Ethernet) compatible PoE devices

Performance specifications	
Cable types tested	Twisted pair: UTP, FTP, SSTP
Length test	Range: 460 m (1500 ft) Resolution: 0.3 m (1 ft) Typical accuracy: ± 4% or 0.6 m (2 ft) whichever is greater. NVP uncertainty is an additional error. Calibration: User-settable NVP for twisted pair and coax (MicroScanner™[2]). Can determine actual NVP with known length of cable.

Wiremap test	Detects single-wire faults, shorts, miswires, split pairs, and up to seven far-end adapter IDs. The wiremap is drawn with proportional length to visually indicate the approximate location of faults.
Ethernet port detection	MicroScanner™ PoE: Detects the advertised speed of 802.3 Ethernet ports with speeds of 10 Mbps, 100 Mbps, 1 Gbps, 2.5 Gbps, 5 Gbps, and 10 Gbps.
Tone generator	Supports toning and cable mapping with a Fluke Networks digital IntelliTone™ probe. Generates four tones compatible with typical analog probes. SmartTone™ feature gives positive identification of cables in bundles when using an IntelliTone or an analog probe.

Fluke. *Keeping your world up and running.®*

Fluke Corporation
PO Box 9090, Everett, WA 98206 U.S.A.

For more information call:
In the U.S.A. (800) 443-5853
In Europe/M-East/Africa
+31 (0)40 267 5100
In Canada (800)-36-FLUKE
From other countries +1 (425) 446-5500

BUT. FLUKE SOUTH EAST ASIA PTE LTD
Menera Satu Sentra Kelapa Gading #06-05
JI. Bulevar Kelapa Gading Kav. LA# No. 1
Summarecon Kelapa Gading
Jakarta Utara 14240
Indonesia
Tel: +62 21 2938 5922
Email: info.asean@fluke.com
www.fluke.com/id-en

12/2021