

TECHNICAL DATA

Fluke Networks MicroScanner™ PoE Cable Verifier Kit



Key features

- Reports PoE class (0-8), injector voltage, switch speed up to 10G
- Shows wire map, length, cable ID, and distance to fault
- Trace cable or wire pairs with included IntelliTone™ Pro 200 probe
- Includes Remote IDs to determine network layout quickly

Product overview: Fluke Networks MicroScanner™ PoE Cable Verifier Kit

The MicroScanner PoE Cable Verifier validates and troubleshoots your Industrial Ethernet copper cabling, helping to reduce down time in time-sensitive industrial networks. It performs continuity tests on all wires in a few seconds and displays the results graphically, so you can see opens, shorts, and crossed wires.

The MicroScanner PoE helps make installation, maintenance, and troubleshooting on IT, security, PoE lighting, Ethernet-based HVAC devices, and IP-based building automation systems easier. Its oversized, backlit LCD screen displays clear results in any light or complete dark with intuitive icons and support of Class 0 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: $\pm 4\%$ 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.

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