

TECHNICAL DATA

# Fluke Networks MicroScanner™ Cable / PoE Tester



## Key features

- Report PoE class (0-8)
- Display network switch speeds capabilities up to 10G
- Ethernet Alliance Certified to IEEE-802.3™ standards
- Display cable length, wiremap and distance to fault
- Locate and trace cable with toning (probe sold separately)

## Product overview: Fluke Networks MicroScanner™ Cable / PoE Tester

MicroScanner™ PoE cuts through the confusion of your PoE installation by providing swift and simple PoE verification.

The tester detects the available PoE class (0-8) in accordance to the latest PoE standards and displays the voltage from passive PoE sources. Everything cable technicians need to know, including available services (up to 10G Ethernet), cable length, wiremap, cable ID, and distance to fault are all shown on the LCD screen.

Built-in IntelliTone digital and analog toning precisely locates virtually any cable or wire pair – even on active networks.

The ergonomic design features sleek rubber overmold to enhance grip and ruggedness.

Includes MicroScanner™ POE (Power over Ethernet) cable verifier with detachable wiremap adapter, getting started guide (10 languages), 2 AA alkaline batteries, carry pouch, and one year warranty.

# Specifications: Fluke Networks MicroScanner™ Cable / PoE Tester

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 $\Omega$ when the resistance of the cable is more than 12.5 $\Omega$ . 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. 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.

## Ordering information



### MS-POE

MS-POE Cable Verifier

Includes:

- MicroScanner™ POE (Power over Ethernet) cable verifier with detachable wiremap adapter
- Getting started guide (10 languages)
- 2 AA alkaline batteries
- Carry pouch
- One year warranty

### Optional accessories

**Fluke Networks MT-8200-63A IntelliTone™ Pro 200 Probe**

**Fluke Networks Industrial Connector Adapter Kit**

### Description

Detect IntelliTone™ digital signals on active networks. Locate, trace, and isolate copper cabling.

Fluke Networks Industrial Connector Adapter Kit

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

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