Fluke Networks MicroScanner™ 2 Industrial Ethernet Cable Verifier

Key features

- Graphical wire map, length, cable ID, and distance to fault
- Test RJ11, RJ45, Coax, and Industrial Ethernet connector types
- Locate cables with IntelliTone™ digital and analog toning
- Verify 10/100/1000 Ethernet and detects PoE
- Work in any enviroment with backlit LCD screen

Product overview: Fluke Networks MicroScanner™ 2 Industrial Ethernet Cable Verifier

The Fluke Networks MicroScanner™2 Industrial Ethernet Cable Verifier performs continuity tests on RJ45, M12X, M12D, and M8D terminated cables in seconds and displays results graphically so you can see opens, shorts, and crossed wires.

It also reports which end of the cable has a problem and reports the distance to an open connection within the cable. Cable 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.

Includes Duffle Bag, Multi-Connector Adapter, Cat6A patch cord, RJ45 male to RJ45 female patch cord , RJ45/M12X patch cord, RJ45/M12D patch cord, RJ45/M8D patch cord for testing of M12X, M12D, M8D terminated cables.

Specifications: Fluke Networks MicroScanner™ 2 Industrial Ethernet Cable Verifier

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. MicroScanner^2: F-connector for coaxial cable.
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 6.4 in x 1.4 in (7.6 cm x 16.3 cm x 3.6 cm) MicroScanner^2: 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. Displays results on one screen.
Tone	Generates IntelliTone™ and normal analog toning signals
PoE	MicroScanner^2: Solicits and detects the presence of 802.3af compatible PoE (Power over Ethernet) devices

Performance specifications	
Cable types tested	Twisted pair: UTP, FTP, SSTP Coaxial (MicroScanner^2): 75 Ω, 50 Ω, 93 Ω
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[2]: Detects the advertised speed of 802.3 Ethernet ports with speeds of 10 Mbps, 100 Mbps, and 1 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

MS2-100-IE

MS2-100-IE Cable Verifier

Includes:

- MicroScanner™ 2 Industrial Ethernet Basic Kit with Duffle Bag
- Multi-Connector Adapter
- Cat6A patch cord
- RJ45 male to RJ45 female patch cord
- RJ45/M12X patch cord
- RJ45/M12D patch cord
- RJ45/M8D patch cord for testing of M12X
- M12D
- M8D terminated cables

Optional accessories	Description
Fluke Networks MT-8200-63A IntelliTone™ Pro 200 Probe	Detect IntelliTone™ digital signals on active networks. Locate, trace, and isolate copper cabling.
Fluke Networks MS2-MAG-KIT Magnetic Strap Attachment and Spare Holster	Holster with magnetic strap for MicroScanner™ cable tester, FI-500 FiberInspector™ Micro, SimpliFiber® Pro, and MultiFiber™ Pro

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