

TECHNICAL DATA

Fluke Networks MS2-FTK MicroScanner² Network Copper & Fiber Tester Kit



Key features

- Graphical wire map, length, cable ID, & distance to fault
- MicroScanner² cable tester, punch down tool, tone generator & probe
- Tone generator produces 500 kHz digital & 400 kHz & 1 kHz analog tones
- SimpliFiber® Pro multimode light source measures power & loss using dual wavelength testing
- Verifies media services: 10/100/1000 Ethernet, POTS, & PoE

Product overview: Fluke Networks MS2-FTK MicroScanner² Network Copper & Fiber Tester Kit

MS2-FTK MicroScanner² copper and fiber cable verifier kit helps find common errors by displaying graphical wiremap, pair lengths, distance to fault, and far end device. Integrated RJ11, RJ45, and coax test ports support many types of low-voltage cable testing with no need for adapters. Test and verify your fiber connections with the SimpliFiber® Pro Power Meter and Light Source.

Specifications: Fluke Networks MS2-FTK MicroScanner² Network

Copper & Fiber Tester Kit

MicroScanner² and MicroScanner PoE Specifications

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 6.4in x 1.4 in (7.6 cm x 16.3 cm x 3.6 cm) MicroScanner ² : 10.6 oz (300 g) 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 ² : Solicits and detects the presence of 802.3af compatible PoE (Power over Ethernet) devices 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 Coaxial (MicroScanner ²): 75 Ω , 50 Ω , 93 Ω
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 ² : Detects the advertised speed of 802.3 Ethernet ports with speeds of 10 Mbps, 100 Mbps, and 1 Gbps. 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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