

TECHNICAL DATA

Fluke Networks MicroScanner™ Cable Verifier



Key features

- Wire map, length, cable ID, distance to fault on one screen
- Tests common media types, such as RJ11, RJ45, and coax, without adapters
- VDV Service Detection verifies 10/100/1000 Ethernet, POTS, and PoE

Product overview: Fluke Networks MicroScanner™ Cable Verifier

The MicroScanner2 Cable Verifier helps find common errors quickly, displaying results from what were four different test modes all at once on its oversized, backlit LCD display: graphical wire map, pair lengths, distance to fault, cable ID, and far-end device. Its integrated RJ11, RJ45, and coax test ports support virtually any type of low-voltage cable testing, with no need for awkward adapters. The end result is reduced test time and technician error – which makes high-quality installations more efficient and troubleshooting easier.

Specifications: Fluke Networks MicroScanner™ 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 6.4in 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. 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
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.
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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