



TECHNICAL DATA

# Fluke Networks MicroScanner™ Cable Verifier Kit







## Key features

- Wire map, length, cable ID, distance to fault on one screen
- Tests common media types (RJ11, RJ45, coax) without adapters
- VDV Service Detection verifies 10/100/1000 Ethernet, POTS, and PoE
- Locate and trace cable or wire pairs with IntelliTone™ Pro 200

## Product overview: Fluke Networks MicroScanner™ Cable Verifier Kit

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. With the included IntelliTone™ Pro 200 probe, it locates and traces virtually any cable or wire pair via digital and analog toning. The MicroScanner2's 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 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 aached
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 <sup>2</sup> : F-connector for coaxial cable.
Power	Baery type: 2 AA (NEDA 15A, IEC LR6) alkaline baeries Baery life: 20 hours of typical use Other compatible baery types: 2 AA photo lithium, NIMH, NICAD
Dimensions and weight (with baeries installed and wiremap adapter aached)	3 in x 6.4in x 1.4 in (7.6 cm x 16.3 cm x 3.6 cm) MicroScanner <sup>2</sup> : 10.6 oz (300 g)
Display	Monochrome LCD with backlight

### Test modes

Cable test	Measures length, verifies wiremap, identifies remote ID locators, and detects Etheet 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 <sup>2</sup> : Solicits and detects the presence of 802.3af compatible PoE (Power over Etheet) devices

### Performance specifications

Cable types tested	Twisted pair: UTP, FTP, SSTP Coaxial (MicroScanner <sup>2</sup> ): 75 $\Omega$ , 50 $\Omega$ , 93 $\Omega$
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-seable NVP for twisted pair and coax (MicroScanner <sup>2</sup> ). 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.
Etheet port detection	MicroScanner <sup>2</sup> : Detects the advertised speed of 802.3 Etheet 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.

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

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