

# Fluke Networks MicroScanner™ Cable Verifier Kit



## Key features

- Revolutionary Interface - Graphical wiremap, length, cable ID, and distance to fault displayed on one screen
- Multimedia Support – tests all common media types including RJ11, RJ45, Coax, with no need for adapters
- IntelliTone Toning – trace virtually any cable or wire pair with IntelliTone digital and analog toning
- VDV Service Detection – verifies today's media services, including 10/100/1000 Ethernet, POTS, & PoE
- Rugged Housing - Integrated rubber holster enhances grip and makes it durable enough for the toughest jobs
- Oversized Display - Large, backlit LCD makes results crystal clear whether in bright sunshine or in a dark closet

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

The MicroScanner2 Cable Verifier helps find common errors by displaying graphical wiremap, pair lengths, distance to fault, and far end device. It starts by taking results from what was four different test modes and displaying them all at once - graphical wiremap, pair lengths, distance to fault, cable ID, and far end device. What's more, 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. That 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 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 <sup>2</sup> : 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 <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 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 <sup>2</sup> : 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 <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-settable 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.
Ethernet port detection	MicroScanner <sup>2</sup> : 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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