

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. |



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| 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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11/2021

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