FLUKE networks

MicroScanner² Cable Verifier

Raising cable verification to a higher power

For more than a decade, cabling installation and maintenance technicians have relied on MicroScanner to verify terminations and troubleshoot continuity faults. A lot has changed in the cabling world since the original MicroScanner was introduced. Industry economics require that installations be done fast and accurately with no callbacks. And converging voice, data, and video technologies have given rise to new requirements for service testing and multimedia support.

MicroScanner² recognizes these trends and presents a much-needed revolution to the way testing is done. It streamlines every aspect of the verification job. From its time-saving user interface and integrated multimedia support to its expanded service detection capabilities, MicroScanner² gives technicians the power to perform their jobs faster and more accurately than ever.

High power vision to verify voice/data/video cabling and services. That's Network SuperVision.™ That's Fluke Networks' promise to you.

Reduce test time and user error

Yesterday's cable verification testers force users to toggle between different modes (up to four) to view all test results. This not only slows the test process, but also causes user frustration and error. MicroScanner² has defied this convention by displaying key test results – wiremap, pair lengths, distance to fault, cable ID, and far-end devices – all on one screen.

Eliminate awkward test adapters

Tired of losing or breaking all the adapters needed for testing the various voice, data, and video media types? MicroScanner² makes these adapters things of the past with built-in RJ11, RJ45, and coax support. Both the main unit and the far-end identifiers can be used to test telephone jacks, Ethernet jacks, and CATV outlets right out of the box.

Rule out service problems fast

Today's communications technicians have more problems to deal with than just the cabling. They have to rule out a whole host of cable and service issues before determining the cause of a connectivity problem. Is there telephone voltage? What's the polarity? Is there a switch at the far end? Is PoE available? MicroScanner² gives technicians high power vision to verify today's most common voice, data, and video services.

Locate elusive cables in seconds

MicroScanner² features built-in IntelliTone digital and analog toning to precisely locate



virtually any cable or wire pair, regardless of work environment. Use digital mode to locate high-grade data cabling (Cat 5e/6/6a) in bundles, or at switches, patch panels, or wall outlets. Or, use analog mode on voice-grade cabling (Cat 3 and below), as well as coax, security/alarm, and speaker wiring.

Repair or replace tools less often

With all the abuse you put your tools through, you can't afford for them to be delicate. MicroScanner² features a rubber wrap-around holster that makes it the right tool for even the toughest jobs. Toss it into your toolbox. Drop it from a ladder. It can handle it. Plus, it now comes standard with a vinyl carry pouch for enhanced protection and convenience.

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Coax connector for video and audio testing

Rubber holster enhances durability and grip

Digital toning is safe and effective on active networks

Length meter shows distance to termination, open, or short

PoE detection rules out insufficient power as source of problems

Detail mode gives additional test status information

Wiremap adapter doubles as protective cap

Modular port accepts RJ45 and RJ11 plugs

Oversized LCD is backlit for crystal clear results

Intuitive icons show what's at the far end of any cable (10/100/1000 switch, POTS service, short, cable ID)

Graphical wiremap shows type and location of fault (miswires, reversals, split pairs, shorts, breaks)

Ordering Information

Model	Description
MS2-100 	MicroScanner² Cable Verifier Includes MicroScanner² Cable Verifier with main wiremap adapter, multi-language Getting Started Guide, user CD, batteries, and Fluke Networks carry pouch
MS2-KIT 	The MicroScanner² Professional Kit Includes MicroScanner², Cable Verifier with main wiremap adapter, IntelliTone™ Pro 200 Probe, Remote Identifiers #2-7, patch cords (shielded RJ45, RJ11, coax), multi-language Getting Started Guide, User CDs, batteries, and deluxe Fluke Networks carry case
MS2-TTK 	The MicroScanner² Termination Test Kit Includes MicroScanner² Cable Verifier with main wiremap adapter, IntelliTone™ Pro Probe, IS60 Pro-Tool™ Kit, multi-language Getting Started Guide, User CDs, batteries, and deluxe Fluke Networks carry case
MS2-KIT-IE 	MicroScanner² Industrial Ethernet Includes MicroScanner² Cable Verifier with main wiremap adapter, IntelliTone™ Pro 200 probe, Remote Identifiers #2-7, patch cords (shielded RJ45, RJ11, coax), clip-set RJ45-to-8 alligator clip bare wire adapter, multi-language Getting Started Guide, User CDs, batteries, accessory soft, packaged in a deluxe Fluke Networks carry case plus (1) M12-to-RJ45 patch cable

Accessories	Description
MS2-IDK27	MicroScanner² Remote Identifier Kit #2-7
MT-8200-63A	IntelliTone Pro 200 Probe
CLIP-SET	RJ45 to 8 – Clip Test Lead
CIQ-RJA	RJ45/11 Modular Adapter
CIQ-COAX	Coax Adapter Kit for RCA, BNC
MS2-CPK	MicroScanner² Professional Kit Carry Case

Specifications and availability subject to change.

Specifications

Test Connectors	Twisted-pair: UTP, FTP, SSTP 8-pin modular jack accepts RJ45 and RJ11 Coax: F-connector for 75 Ω, 50 Ω, 93 Ω cables
Cable Tests	Length (460 m or 1500 ft), wiremap to TIA-568A/B standards, remote ID locators
Tone Generator	IntelliTone digital tone: [500 KHz]; analog tones: [400Hz, 1KHz]
PoE Detection	Solicits and detects the presence of 802.3af compatible PoE devices
Ethernet Port Test	Advertised speed of 802.3 Ethernet ports (10/100/1000)
Power Source	Battery type: 2 AA alkaline batteries
Dimensions	3 in x 6.4 in x 1.4 in (7.6 cm x 16.3 cm x 3.6 cm)
Weight	13 ounces; 363 grams (batteries included)
Warranty	One year
M12/ RJ45 Cable Specifications:	
Cable type	Ethernet cable, Cat5e, shielded, 2 Pair AWG 26 stranded (7 wire), RAL 5021 (water blue), M12 4 pos. D- coded on RJ45 connector
Number of positions	4
Fixed cable length	2 m
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Ambient temperature	-20 °C to 50 °C
Inflammability class acc to UL 94	V0
Surge voltage category	II
Pollution degree	3
Degree of protection	IP20/IP67
External cable diameter	6.7 mm
Transmission characteristics	Cat 5 (IEC 11801:2002), Cat 5e (TIA 568B:2001)

NETWORKSUPERVISION

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