

Datasheet: MicroScanner™ Cable Verifier Series

Industry economics require that installations be done fast and accurately with little to no callbacks. And converging voice, data, and video technologies as well as the ever growing “Internet of Things” has given rise to new requirements for service testing and multimedia support.

The MicroScanner™ Series acknowledges these growing trends and streamlines every aspect of the verification job. From its time-saving user interface and integrated multimedia support to its expanded service detection capabilities, MicroScanner2 and MicroScanner PoE give technicians the power to perform their jobs faster and more accurately than ever.



Troubleshoot PoE based systems

The MicroScanner PoE makes testing your PoE based communication cabling fast, easy, and clear. The tester reports the maximum power class the switch can provide under 802.3af, 802.3at, and 802.3bt specifications and displays the 802.3 PoE class (0-8) or the voltage from passive PoE sources. This allows technicians to verify the exact issues that may be affecting a PoE based installation. The MicroScanner PoE also provides information on available services up to 10G Ethernet ensuring that your network is capable of performing to your needs.

Verify cables and connections

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. Where is the cable broken? Are all the wires properly terminated? Is there a switch at the far end? Is PoE available?

MicroScanner² and MicroScanner PoE provides technicians the vision to verify today's most common voice, data, and video services.

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. MicroScanner Series 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.

Locate elusive cables in seconds

The MicroScanner Series 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 (MicroScanner² only), 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. The MicroScanner Series 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. It even comes standard with a vinyl carry pouch for enhanced protection and convenience. The optional MAG-KIT (included with selected models noted below) provides a powerful magnetized strap that lets you hang your MicroScanner from racks, cable trays or organizers.

MicroScanner PoE

Wiremap adapter doubles as protective cap

Digital toning is safe and effective on active networks

Length meter shows distance to termination, open, or short

Detail mode gives additional test status information

Package contents:

- MicroScanner PoE Cable Verifier
- Detachable wiremap adapter
- 2 AA alkaline batteries
- Soft carrying case
- Detailed use instructions

Modular port accepts RJ45 and RJ11 plugs

Rubber holster enhances ruggedness and grip

Intuitive icons show what's at the far end of any cable

PoE reporting PoE detection displays available power and class (1-8) from PoE sources to rule out power as a source of problems

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

MicroScanner² Cable Verifier

Coax connector for video and audio testing

Rubber holster enhances ruggedness and grip

Digital toning is safe and effective on active networks

Length meter shows distance to termination, open, or short

PoE detection rules out power as source of problems

Detail mode gives additional test status information

Package contents:

- MicroScanner² Cable Verifier
- Detachable wiremap adapter
- 2 AA alkaline batteries
- Soft carrying case

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	
MicroScanner PoE and MicroScanner ² Kits	
Model	Description
MS-POE	MicroScanner PoE Verifier with MS-POE Wiremap Adapter, multi-language Getting Started Guide, batteries, and Fluke Networks carry Pouch
MS-POE-KIT	MicroScanner PoE Verifier with MS-POE Wiremap Adapter, IntelliTone Pro 200 Probe, RJ45 Remote IDs #2-7, Patch cords (Shielded RJ45 and RJ11), multi-language Getting Started Guide, batteries, Magnetic Strap Attachment, and deluxe Fluke Networks carry case
MS2-100	MicroScanner ² Cable Verifier with main wiremap adapter, multi-language Getting Started Guide, batteries, and Fluke Networks carry pouch
MS2-KIT	The MicroScanner ² Professional Kit Includes MicroScanner ² 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, batteries, Magnetic Strap Attachment, and deluxe Fluke Networks carry case
MS2-TTK	The MicroScanner ² Termination Test Kit Includes MicroScanner ² Cable Verifier with main wiremap adapter, IntelliTone™ Pro Probe, IS60 Pro-Tool™ Kit, multi-language Getting Started Guide, batteries, Magnetic Strap Attachment, and deluxe Fluke Networks carry case
MS2-FTK	Includes MicroScanner ² Cable Verifier with main wiremap adapter, Simplifier Pro optical power meter, 850/1300 multimode source, SC power-meter adapter, multi-language Getting Started Guide, batteries, Magnetic Strap Attachments and carrying case

Accessories	Description
MS2-IDK27	MicroScanner ² Remote Identifier Kit #2-7
MT-8200-63A	IntelliTone Pro 200 Probe
REMOTEID-KIT	Remote ID Kits for MicroScanner PoE
CIQ-RJA	RJ45/11 Modular Adapter
CIQ-COAX	Coax Adapter Kit for RCA, BNC
MICRO-DIT	MicroScanner ² Kit Soft Carry Duffel
MS2-MAG-KIT	Magnetic Strap Attachment and Spare Holster

Specifications and availability subject to change

Comparison Chart		
	MicroScanner ²	MicroScanner PoE
Twisted Pair (RJ-11, RJ-45)		
Wiremap	✓	✓
Length / Distance to Fault	✓	✓
Coaxial		
Length / Distance to Fault	✓	
Service Identification		
Reports maximum power class		✓
10/100/1000BASE-T	✓	✓
2.5GBASE-T, 5GBASE-T, 10GBASE-T		✓
Power Over Ethernet	Detects 802.3af	Reports class and power for 802.3af, .3at and .3bt
Analog and Digital Toning	✓	✓
Optional Remote Identifiers	✓	✓