



# CableIQ Qualification Tester – Industrial Ethernet

## *The Automation Engineer's vision into cabling bandwidth*

*The Automation Engineer typically has responsibility for the entire industrial network, regardless of whether it is an Ethernet or ControlNet system. Engineers are responsible for identifying and solving on-the-spot problems, as well as preparing for future enhancements, seamlessly upgrading the production network to higher speeds, and optimizing the current infrastructure. All this is required with minimal staff and shrinking budgets.*

*Fluke Networks' CableIQ Qualification Tester is the first cabling bandwidth tester for Control and Automation Engineers. Easy to use and simple to understand, the CableIQ is the premiere troubleshooting and bandwidth qualification tester for Cat5e and coax infrastructures.*

### Count on the CableIQ to:


- Quickly qualify whether your existing cable can support new equipment and higher data performance – 10/100 or Gigabit Ethernet
- Isolate network issues from physical cabling issues
- Identify overlength cabling runs
- Discover what is at the end of any cable and display device configurations (speed/duplex, pairing)
- Avoid interdepartmental disputes over the cause of network problems by saving and documenting results



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**Models**

Model	Description
	<p><b>CableIQ Industrial Ethernet Kit</b> includes CableIQ main unit with remote adapter, CableIQ Reporter software CD, IntelliTone 200 Digital Probe, Remote IDs #2-7, (2) RJ45-RJ45 patch cord, USB cable, coax "F" push-on adapter, 75-ohm coax patch cord, RJ45/11 universal coupler, RJ11-RJ11 patch cord, owners CD and quick start guide, (4) AA batteries, test accessory soft pouch, hard carry case, (1) M12-to-RJ45 patch cable</p>
	<p><b>CableIQ Gigabit Service Kit</b> includes CableIQ Qualification Tester, LinkRunner Pro Network Multimeter, Intellitone Pro 200 Probe, CableIQ Remote Identifiers #1-7, WireView Cable ID#1, CableIQ Reporter software CD, two (2) RJ45-RJ45 shielded patch cords, USB cable, coax "F" push-on cable, RJ45-RJ11 universal coupler, USB cable, test accessory soft pouch, CableIQ Getting-Started Guide, LinkRunner Pro Getting Started-Guide, Intellitone Pro Getting-Started Guide, eight (8) AA batteries, one (1) 9V battery, packaged in a deluxe Fluke Networks carry case and two (2) Rj45-to-M12 patch cables</p>
	<p><b>CableIQ Gigabit Service Kit</b> includes CableIQ with remote adapter, soft carrying case, and two (2) RJ45-to-M12 patch cables</p>
	<p><b>Industrial Ethernet Network Assistant Kit</b> includes Pro Series II Network Assistant and CableIQ and (1) M12-to- RJ45 patch cable</p>



## Specifications

CableIQ Specification	
Cable types supported	UTP, STP, FTP, SSTP, RG6, RG59, audio, security
Qualification autotests	1000BASE-T, 100Base_TX, 10Base-T, VoIP, 1394b S100, TELCO, Wiremap only, Coax
Supported test	Wiremap, length, cable signal performance, digital toner, analog toner, Ethernet port detection and identification, analog telephone detection, blink port light, continuity, speaker test, cable fault finding, video signal detection
Wiremap	Can detect single wire faults and supports MultiMap mode with up to seven remote office identifiers. Draws proportional wire length to breaks. Detect split pairs.
Find fault	Measures crosstalk and impedance and compares against appropriate limits based on qualification test selected. Detects location of large point sources as well as distributed sources in the cabling if they are sufficient to disqualify the application.
Results storage	Up to 250 qualification test results
Power	Battery type: 4 AA (NEDA 15A, IEC LR6) alkaline batteries
Battery life	20 hours of typical use, without backlight
Other battery types supported	4 AA photo lithium, NIMH, NICAD
Dimensions and weight	7 in x 3.5 in x 1.75 in (17.8 cm x 8.9 cm x 4.5 cm) 1.2 lb (0.55kg)
M12/RJ45 Cable Specifications	
Cable type	Ethernet cable, Cat 5e, 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)

For more information, visit [www.flukenetworks.com/industrial](http://www.flukenetworks.com/industrial)

### NETWORK SUPERVISION

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