FIBERTEK™ Advanced Fiber Test Option

- ***Measures signal loss and length over Multimode and Singlemode fiber***
- ***Supports 850 nm VCSEL light source to enable Gigabit Ethernet certification***
- ***Supports network specific autotests available for the most popular network types***
- ***Provides talkset capability for enhanced communications***
- ***Works with TRACETEK™ to support a unique combination of fiber measurement and troubleshooting capabilities***

The FIBERTEK™ fiber accessory is the perfect solution for certifying or troubleshooting fiber backbones and fiber to the desktop installations in commercial buildings or campus environments. Working with LANTEK® 6 & 7, FIBERTEK measures signal loss and length over Multimode and Singlemode fiber. With an easy fiber adapter switch, FIBERTEK can support dual wavelength and bi-directional testing.

Working in conjunction with the FIBERTEK module, the IDEAL TRACETEK™ is a cost effective tool to support fiber diagnostic and distance-to-fault capabilities. TRACETEK generates traces similar to an expensive OTDR, thus helping installers quickly locate faults.

TRACETEK works by injecting pulsed laser light into one end of the fiber and measuring the amount of light that is reflected back from events along the fiber cable. With TRACETEK, installers can quickly perform fiber troubleshooting and save time on the jobs.

FIBERTEK is available in two basic kits, one each for Multimode and Singlemode. The multimode kit contains two adapters each with a light source and a receiver: an 850 nm VCSEL laser to allow certification of fiber to support Gigabit Ethernet and a 1300 nm Fabry-Perot laser. The Singlemode kit contains two adapters also, a 1310 nm and a 1550 nm Fabry-Perot laser source with receivers.

FIBERTEK™ also comes in a premium version that includes TRACETEK™. TRACETEK™ works by injecting pulsed laser light into one end of the fiber and measuring the amount of back reflection along the fiber path. Events such as connectors or bad splices show up as spikes on the display. TRACETEK™ is a cost effective tool to support MM/SM fiber diagnostic and distance-to-fault capabilities. With TRACETEK™, the customers can perform fiber troubling shooting without an expensive OTDR.

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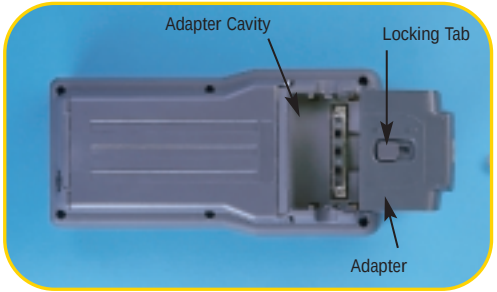
Using FIBERTEK adapters, the LANTEK display unit can measure length in the loop-back mode. Using FIBERTEK in both the display and remote units, the system can measure signal loss and length with dual wavelength and bi-directional capabilities.

To improve productivity, talkset capability is available for FIBERTEK. Simply plug in the talkset to the display and remote units, installers can communicate over fiber in the same fashion as over copper.

FIBERTEK supports network specific certification tests including 1000Base-LX and 1000Base-SX for Gigabit Ethernet. This allows the installer to easily certify fiber for the most common network types. All fiber tests are stored in the same way as copper tests and can be uploaded to a PC running LANTEK Reporter to create reports.

Specifications	FIBERTEK™	
Detector		
Receive Wavelength:	MM: 850 nm, 1300 nm SM: 1310 nm,1550 nm	
Transmitter Laser Type		
MM 850 nm:	VCSEL	
MM 1300 nm:	Fabry-Perot MCW (Grin Lens Focused)	
SM 1310 nm:	Fabry-Perot MCW (Grin Lens Focused)	
SM 1550 nm:	Fabry-Perot MCW (Grin Lens Focused)	
Measurement Accuracy		
Attenuation:	MM 850/1300 nm:	0.25dB
	SM 1310/1550 nm:	0.25dB
Length:	(+/- 3%) + 1 meter	
Display Resolution		
Attenuation:	MM 850/1300 nm:	0.1dB
	SM 1310/1550 nm	0.1dB
Length:	MM 850/1300 nm:	1.0 meter
	SM 1310/1550 nm	1.0 meter
Linearity	0.2 dB	
Length Range		
	MM 850 nm:	3,000 meters
	MM 1300 nm:	6,000 meters
	SM 1310 nm:	10,000 meters
	SM 1550 nm:	10,000 meters
Minimum Length	5 meters	
Physical		
Operating Temperature:	18 to 30°C at Specified Accuracy	
Ambient Airflow:	0.3 Ms @ 20°C	
Network Specifications	1000BASE-SX/LX, IEEE-802.3z, 1000BASE-F, 10BASE-FL/FB, ATM-155/622	



The LANTEK® tester's innovative design securely holds all test adapters, including FIBERTEK™ and TRACETEK™, with no protruding connectors.

Configuration Information	
FIBERTEKM2B	Hardcase, two 850 nm MM Adapters with ST Connectors, ST Launch Cables and ST Sleeves & Manual
FIBERTEKM2P	All of the above and a 1300 nm MM TRACETEK™ Adapter
FIBERTEKMMB	Hardcase, 850 nm & 1300 nm MM Adapters with ST connectors, ST Launch Cables & ST Sleeves & Manual
FIBERTEKMMP	All of the above and a 1300 nm MM TRACETEK™ Adapter
FIBERTEKSMB	Hardcase, 1310 nm & 1550 nm SM Adapters with FC connectors, FC launch Cables, FC Sleeves & Manual
FIBERTEKSMP	All of the above and a 1310 nm SM TRACETEK™ Adapter
FIBERTEKALLB	Hardcase, 850 nm MM, 1300 nm MM, 1310 nm SM, & 1550 nm SM Adapters, with ST/FC connectors, Launch Cables, and Sleeves & Manual
FIBERTEKALLP	All of the above and 1300 nm MM and 1310 nm SM TRACETEK™ Adapters

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