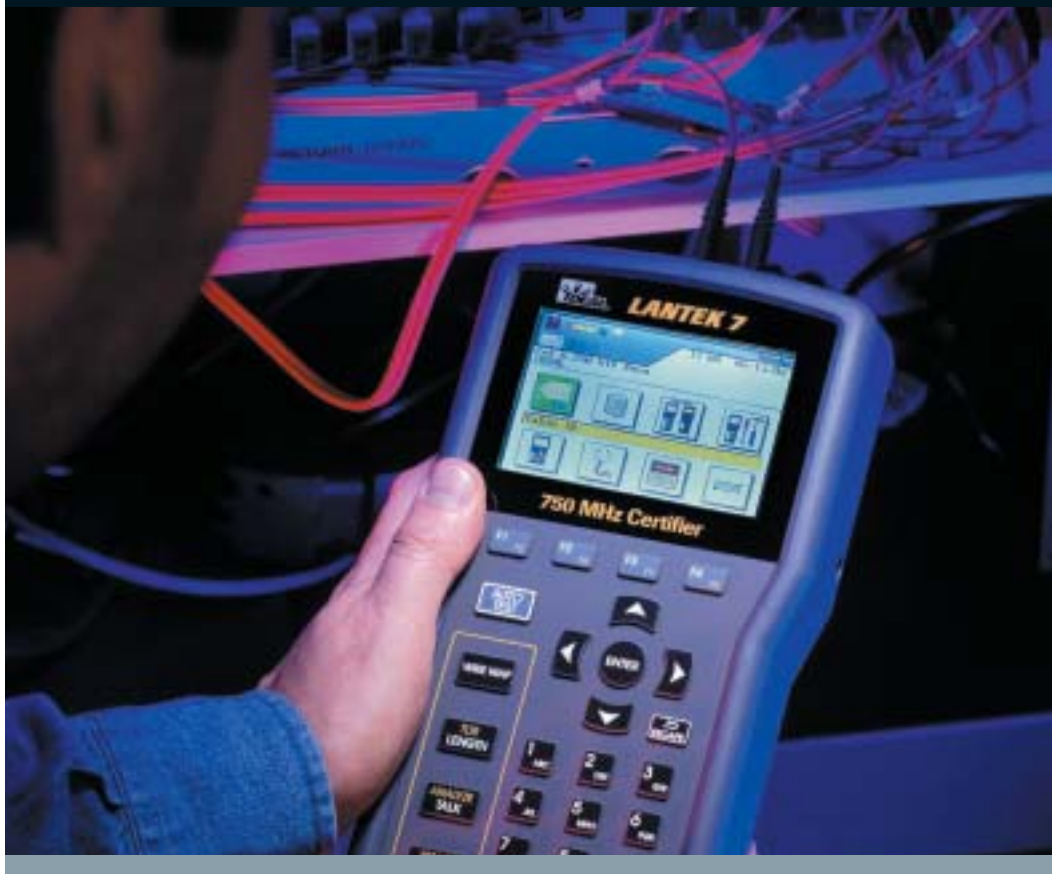




## FIBERTEK™ Advanced Fiber Test Option



- 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 troubleshooting without an expensive OTDR.



# FIBERTEK™ Advanced Fiber Test Option

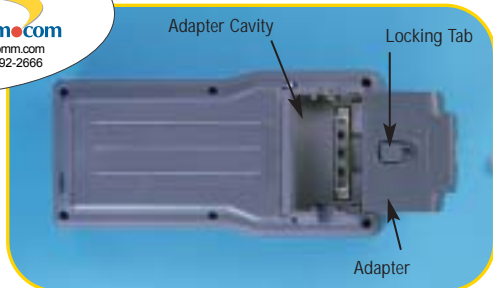
Using FIBERTEK adapters, the LANTEK display unit can measure length in the loop-back mode. Using FIBERTEK in both the display and remote units, the system can measure signal loss and length with dual wavelength and bi-directional capabilities.

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

Sold by:  
  
**TWAcomm.com**  
<http://www.TWAcomm.com>  
 Toll Free: (877) 892-2666



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

**IDEAL INDUSTRIES, INC.**  
 9145 Balboa Av., San Diego, CA 92123 U.S.A.  
 Tel: (800) 854-2708 in U.S.A.  
 Fax: (858) 278-5141

Becker Place, Sycamore, IL 60178 U.S.A.  
 Toll-Free: (800) 435-0705 in U.S.A.  
 Becker Place: (815) 895-5181

Ajax, Ontario, L1S 2E1, Canada.  
 Toll-Free: (800) 527-9105 in Canada.  
 Canada: (905) 683-3400

**IDEAL INDUSTRIES (U.K.) LTD.**  
 Gemini Business Park, Warrington,  
 Cheshire, WA5 7TN, England  
 Tel: +44 (0)1925 444446  
 Fax: +44 (0)1925 445501

**IDEAL INDUSTRIES GmbH.**  
 Gutenbergstrasse 10, 85737 Ismaning, Germany.  
 Tel: +49-89-99686-0  
 Fax: +49-89-99686-111

**IDEAL INDUSTRIES Brazil Comércio LTDA**  
 Condomínio América Business Park  
 Av. Marginal do Rio Pinheiros No. 5200  
 Cj 201 Edifício Quebec  
 CEP 05693-000 São Paulo – Brazil  
 Tel: +55-11-3759-8777  
 Fax: 55-11-3759-8775

**IDEAL Industries China, L.L.C.**  
 Unit 505, Tower W1, The Towers, Oriental Plaza  
 No. 1 East Chang An Avenue, Dong Cheng District  
 Beijing, 100738, China  
 Tel: 86-10-8518-3141 and 86-10-8518-3142  
 Fax: 86-10-8518-3143

**IDEAL Industries Australia Pty. Ltd.**  
 Level 6/75-85 East Elizabeth Street  
 Sydney, NSW 2000  
 Australia

[www.idealindustries.com](http://www.idealindustries.com)