



GREENLEE®

A Textron Company

XL *fiberTOOLS™* Series Professional Fiber Optic Instruments



There With YouSM
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HOLEMAKING | BENDING | FISHING/CABLE PULLING/MATERIAL HANDLING | WIRE & CABLE TERMINATION | VOICE/DATA/VIDEO | TESTING & MEASUREMENT | STORAGE



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Instruments Designed for Fiber Optic Cable Testing

The XL *fiber*TOOLS™ are designed for the technician to perform installation and maintenance measurements on fiber optic cabling networks. The instrument family consists of individual instruments (optical power meters, 850/1300nm LED sources, 1310/1550nm Laser sources, Visual Fault Locator) and complete Insertion Loss Test Sets. The XL *fiber*TOOLS™ are designed to accurately measure optical power levels and link loss on multimode and singlemode cabling networks. These full feature general purpose fiber optic instruments are easy to operate and economically priced to outfit all technicians performing fiber optic installation and maintenance.



560XL Fiber Optic Power Meter

PRODUCT FEATURES

- Easy to use - three buttons control all functions
- Loss measurements in (dB); power measurements in (dBm)
- 0.01dB measurement resolution
- Multi-wavelength storage - store and recall reference power levels for faster, more efficient measurements
- Snap On connector interface adapts to FC, SC and ST connectors
- Long battery life
- User selectable auto shut-off
- Rugged and splash-proof
- Economically priced

SPECIFICATIONS

Optical		Environmental
Calibration		Operating temperature
Wavelengths	850nm, 1300nm, 1310nm and 1550nm	-15° C to +55° C
Power Range	+3 dBm to -60 dBm	Storage temperature
Accuracy	± 0.25dB	-35° C to +70° C
Linearity		Humidity
+3dBm to -3dBm	±0.5dB	0 to 95%
-3dBm to -50dBm	±0.05dB	non-condensing
-50dBm to -60dBm	±0.5dB	Dimensions
Resolution	0.01dB	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Power Requirements	Two AA size 1.5V batteries (approx. 100 hours continuous operation)	Weight
Connector interface	FC, SC or ST	241g (8.5 oz.)
		CE
		EN61010; EN50081-1: 1992; EN55011, Group 1, Class A
		EN50082-1: 1992 IEC 801-2, -3, -4



570XL 850/1300nm LED Source

PRODUCT FEATURES

- 850/1300nm wavelengths
- Stable calibrated output
- Easy to use
- Continuous wave and modulated output
- Fixed connector interface FC, SC or ST
- Long battery life - approx. 80 hours
- User selectable auto shut-off
- Rugged and splash-proof
- Economically priced

SPECIFICATIONS

Optical		Environmental
Center Wavelengths	850nm 1300nm	Operating temp.
Range (typical)	840nm to 880nm 1270nm to 1345nm	-15° C to +55° C
Max. spectral width	55nm	Storage temp.
Stability (1 hour)	±0.05dB	-35° C to +70° C
Typical power output		Humidity
100/140um	-13dBm	0 to 95% non-condensing
62.5/125um	-13dBm	Dimensions
50/125um	-14dBm	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Modulation frequency	270 kHz, 1 kHz and 2 kHz	Weight
Power Requirements	Two AA size 1.5V batteries (approx. 80 hours continuous operation)	241g (8.5 oz.)
Connector interface	FC, SC or ST	CE
		EN61010; EN50081-1: 1992; EN55011, Group 1, Class A
		EN50082-1: 1992 IEC 801-2, -3, -4



580XL 1310/1550nm Laser Source

PRODUCT FEATURES

- 1310/1550nm wavelengths
- Stable calibrated output
- Easy to use
- Continuous wave and modulated output
- Fixed connect interface FC, SC or ST
- Long battery life - approx. 80 hours
- User selectable auto shut-off
- Rugged and splash-proof
- Economically priced

SPECIFICATIONS

Optical		Environmental
Center Wavelengths	1310nm 1550nm	Operating temp.
Range (typical)	1280nm to 1340nm 1520nm to 1580nm	-15° C to +55° C
Max. spectral width	<5nm	Storage temp.
Stability (1 hour)	±0.05dB	-35° C to +70° C
Typical power output (9/125)		Humidity
Minimum	-8dBm	0 to 95% non-condensing
Typical	-7dBm	Dimensions
Modulation frequency	270 kHz, 1 kHz and 2 kHz	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Power Requirements	Two AA size 1.5V batteries (approx. 80 hours continuous operation)	Weight
Connector interface	FC, SC or ST	241g (8.5 oz.)
		CE
		EN61010; EN50081-1: 1992; EN55011, Group 1, Class A
		EN50082-1: 1992 IEC 801-2, -3, -4
CDRH laser class	Class 1	

170XL Visual Fault Finder



PRODUCT FEATURES

- Continuous wave output mode for steady fault location
- Find breaks to 3km
- Blinking output mode increases viewing contrast
- Easy-to-use quick interface fits all 2.5mm connector interfaces (FC, SC, ST)
- 1.0mW output power
- Ergonomic rotary switch permits easy one-handed operation
- Rugged, compact and splash-proof aluminum design
- Two AA batteries provide 48 hours continuous operation
- Nylon belt holster included

SPECIFICATIONS

Optical	
Light source type	635nm red laser diode
Center wavelength	
Nominal	635nm
Range (typical)	630nm to 640nm
Spectral width (FWHM)	<2nm
Typical output power	
Max. into SMF-28 fiber	1.0mW (0dBm)
Min. CW output mode	316uW (-5 dBm)
Blink frequency in MOD mode	<3Khz approximate)
Power Requirements	Two AA size 1.5V batteries
Battery life	Approx. 48 hours continuous operation
Connector interface	Standard "Quick Connect" universal 2.5 mm receptacle

Environmental

Operating temperature	-10° C to +50° C
Storage temperature	-40° C to +60° C
Humidity	0 to 95% non-condensing
Dimensions	Length: 22 cm (9.0 in.); Diameter: 2.54 cm (1 in.)
Weight	200g (7 oz.)
CDRH laser class	Class IIIa
CE	IEC 60-1-2 portion of the EN50082-1 ESD immunity requirement EN50082-1: 1992 IEC 801-2, -3, -4

5670XL Multimode Fiber Optic Test Set



PRODUCT FEATURES

- Insertion loss test set for multimode fiber
- 850/1300nm loss measurements
- Connector for FC, SC or ST
- Rugged package design
- Easy-to-use portable package
- Economically priced

5670-FC Includes:

560XL	Optical Power Meter
570XL-FC	850/1300nm LED Source w/FC Connector
T1020	FC/PC SOC Adapter
914B	Carrying Case

5670-SC Includes:

560XL	Optical Power Meter
570XL-SC	850/1300nm LED Source w/SC Connector
1062	SC/PC SOC Adapter
914B	Carrying Case

5670-ST Includes:

560XL	Optical Power Meter
570XL-ST	850/1300nm LED Source w/ST Connector
T1030	ST/PC SOC Adapter
914B	Carrying Case

5680XL Singlemode Fiber Optic Test Set



PRODUCT FEATURES

- Insertion loss test set for singlemode fiber
- 1310/1550nm loss measurements
- Connector for FC, SC or ST
- Rugged package design
- Easy-to-use portable package
- Economically priced

5680-FC Includes:

560XL	Optical Power Meter
580XL-FC	1310/1550nm Laser Source w/FC Connector
T1020	FC/PC SOC Adapter
914B	Carrying Case

5680-SC Includes:

560XL	Optical Power Meter
580XL-SC	1310/1550nm Laser Source w/SC Connector
1062	SC/PC SOC Adapter
914B	Carrying Case

5680-ST Includes:

560XL	Optical Power Meter
580XL-ST	1310/1550nm Laser Source w/ST Connector
T1030	ST/PC SOC Adapter
914B	Carrying Case

5890XL Multimode and Singlemode Fiber Optic Test Set



PRODUCT FEATURES

- Insertion loss test set for multimode and singlemode fiber
- 850/1300nm Loss measurements
- 1310/1550nm Loss measurements
- Connector for FC, SC or ST
- Rugged package design
- Easy-to-use portable package
- Economically priced

5890-FC Includes:

560XL	Optical Power Meter
570XL-FC	850/1300nm LED Source w/FC connector
580XL-FC	1310/1550nm Laser Source w/FC Connector
T1020	FC/PC SOC Adapter
915B	Carrying Case

5890-SC Includes:

560XL	Optical Power Meter
570XL-SC	850/1300nm LED Source w/SC connector
580XL-SC	1310/1550nm Laser Source w/SC Connector
1062	SC/PC SOC Adapter
915B	Carrying Case

5890-ST Includes:

560XL	Optical Power Meter
570XL-ST	850/1300nm LED Source w/ST connector
580XL-ST	1310/1550nm Laser Source w/ST Connector
T1030	ST/PC SOC Adapter
915B	Carrying Case

Snap On Connector (SOC) for Fiber Optic Power Meter



T1020



T1030



1062

Snap On Connectors (SOC) are used on the 560XL Fiber Optic Power Meter. The Snap On Connectors configure the optical power meter for various optical connectors.

Connector Cleaning Tools



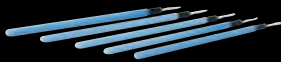
948 Connector Reel Cleaner

The Reel Cleaner is an all-in-one connector cleaning tool. The Reel Cleaner is a complete self-contained unit requiring no additional components to clean fiber optic connectors. Cat. No. 948 is recommended for cleaning FC, SC and ST connectors.

To clean a connector, the user opens the shutter by gripping the lever and then sliding the connector end face along the exposed cleaning surface while gripping the lever.

946 Adapter Cleaning Wands

Adapter wands are a convenient, economical and disposable way to clean and maintain fiber optic interfaces and bulkhead adapters. Incorporating the same lint-free material as the all-in-one Connector Reel Cleaner, cleaning wands are effective in removing contaminants from hard-to-reach connector end face ferrule alignment sleeves. Ten cleaning wands come in each package.



Ordering Information

CAT. NO.	UPC NO.	DESCRIPTION	QTY
170XL	84501	Visual Fault Finder	1
560XL	84485	Fiber Optic Power Meter	1
570XL-FC	84486	850/1300nm LED source w/FC interface	1
570XL-SC	84487	850/1300nm LED source w/SC interface	1
570XL-ST	84488	850/1300nm LED source w/ST interface	1
580XL-FC	84489	1310/1550nm Laser source w/FC interface	1
580XL-SC	84490	1310/1550nm Laser source w/SC interface	1
580XL-ST	84491	1310/1550nm Laser source w/ST interface	1
5670-FC	84492	Multimode Fiber Optic Test Set w/FC interface	1
5670-SC	84493	Multimode Fiber Optic Test Set w/SC interface	1
5670-ST	84494	Multimode Fiber Optic Test Set w/ST interface	1
5680-FC	84495	Singlemode Fiber Optic Test Set w/FC interface	1
5680-SC	84496	Singlemode Fiber Optic Test Set w/SC interface	1
5680-ST	84497	Singlemode Fiber Optic Test Set w/ST interface	1
5890-FC	84498	Multimode and Singlemode Fiber Optic Test Set w/FC interface	1
5890-SC	84499	Multimode and Singlemode Fiber Optic Test Set w/SC interface	1
5890-ST	84500	Multimode and Singlemode Fiber Optic Test Set w/ST interface	1
Accessories			
1062	60575	SC/PC SOC Adapter	1
948	60692	Connector Reel Cleaner Cleaning System	1
946	60571	2.5 mm Cleaning Wands	10
T1020	60576	FC/PC SOC Adapter	1
T1030	60577	ST/PC SOC Adapter	1



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