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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



XL *fiber*TOOLSTM SERIES PROFESSIONAL FIBER OPTIC INSTRUMENTS









XL fiberTOOLS[™] Series **Instruments Designed for** Fiber Optic Cable Testing.

The XL fiberTOOLS[™] are designed for the professional to perform installation and maintenance measurements on fiber optic cabling networks. The instrument family consists of individual devices (optical power meters, 850/1300nm LED sources, 1310/1550nm Laser sources, Visual Fault Locator) and complete Insertion Loss Test Sets. The XL fiberTOOLS[™] 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

- Easy to use three buttons control all functions
- Long battery life
- Loss measurements in (dB); power measurements in (dBm)
- Snap on connector interface adapts to FC, SC and ST connectors. Contact Greenlee for other available adapters.
- · User selectable auto shut-off · Rugged and splash-proof
- Economically priced

0.01dB measurement resolution **Optical Specifications**

Calibration Wavelengths	850nm, 1300nm, 1310nm and 1550nm	
Power Range	+3 dBm to -60 dBm	
Accuracy	±0.25dB	
Linearity at:	+3dBm to -3dBm	±0.5dB
	-3dBm to -50dBm	±0.05dB
	-50dBm to -60dBm	±0.5dB
Resolution	0.01dB	
Power Requirements	Two AA size 1.5V batteries	
	(approx. 100 hours continuous c	operation)
Connector Interface	FC, SC or ST	

Environmental Specifications

Operating Temperature -15° C to +55° C	
Storage Temperature -35° C to +70° C	
Humidity 0 to 95% non-condensing	
Dimensions 7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)	
Weight 241g (8.5 oz.)	
CE EN61010; EN50081-1:1992; EN55011,Group1,	
Class A EN50082-1: 1992 IEC 801-2, -3, -4	

Easy To Use Three Buttons Control **ALL Functions!**



567XL Silicon Fiber Optic Power Meter

Optical Specifications

Detector Type	3 x 3.5 mm Silicon	
Calibration Wavelengths	635nm, 780nm, and 850	nm
Power Range	+3 dBm to -60 dBm	
Accuracy	±0.25dB	
Linearity at:	+3dBm to -3dBm -3dBm to -50dBm -50dBm to -60dBm	±0.5db ±0.05db ±0.5db
Resolution	0.01dB	
Power Requirements	Two AA size 1.5V batteries (approx. 100 hours continuous operation)	
Connector Interface	SOC	

Environmental Specifications

Operating Temperature	-15° C to +55° C
Storage Temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241g (8.5 oz.)
CE	EN61010; EN50081-1:1992;
	EN55011,Group 1, Class A EN50082-1:

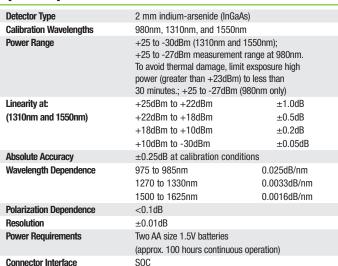
- · Easy to use three buttons control all functions
- Loss measurements in (dB); power measurements in (dBm)
- 0.01dB measurement resolution
- Snap on connector interface adapts to FC, SC and ST connectors. Contact Greenlee for other available adapters.
- · Long battery life
- · User selectable auto shut-off
- · Rugged and splash-proof
- · Economically priced

568XL High Intensity Optic Power Meter

1992 IEC 801-2, -3, -4

- · Easy to use three buttons control all functions
- Multi-Wavelength Storage: Store and recall reference power levels for faster, more efficient measurements!
- 0.01dB measurement resolution
- Loss measurements in (dB); power measurements in (dBm)
- Snap on connector interface adapts to FC, SC and ST connectors. Contact Greenlee for other available adapters.

Optical Specifications



· Long battery life

· User selectable auto shut-off

· Rugged and splash-proof

· Economically priced

Environmental Specifications

Operating Temperature	-15° C to +55° C
Storage Temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241g (8.5 oz.)
CE	EN61010; EN50081-1:1992; EN55011, Group 1,
	Class A EN50082-1: 1992 IEC 801-2, -3, -4







- 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



- 1310/1550nm 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

570XL 850/1300nm LED Source

Optical Specifications

Center Wavelength	850nm	1300nm
Range (Typical)	840nm to 880nm	1270nm to 1345nm
Max. Spectral Width (FWHM)	60nm	150nm
Stability (1 hour)	±0.05dB	±0.05dB
Typical Power Output		
100/140um	-20dBm	-20dBm
62.5/125um	-20dBm	-20dBm
50/125um	-21dBm	-21dBm
Modular Frequency	270 kHz, 1 kHz and 2 kHz	270 kHz, 1 kHz and 2 kHz
Power Requirements	Two AA size 1.5V batteries (approx. 40 hours continuous operation)	Two AA size 1.5V batteries (approx. 40 hours continuous operation)
Connector Interface	FC, SC or ST	FC, SC or ST

Environmental Specifications

Operating Temperature	-15° C to +55° C
Storage Temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241g (8.5 oz.)
CE	EN61010; EN50081-1:1992; EN55011,Group1, Class A
	EN50082-1: 1992 IEC 801-2, -3, -4

580XL 1310/1550nm Laser Source

Optical Specifications

Center Wavelength	1310nm	1550nm
Range (Typical)	1280nm to 1340nm	1520nm to 1580nm
Max. Spectral Width (FWHM)	<5nm	<5nm
Stability (1 hour)	±0.05dB	±0.05dB
Typical Power (9/125)		
Minimum	-8dBm	-8dBm
Typical	-7dBm	-7dBm
Modular Frequency	270 kHz, 1 kHz and 2 kHz	270 kHz, 1 kHz and 2 kHz
Power Requirements	Two AA size 1.5V batteries (approx. 80 hours continuous operation)	Two AA size 1.5V batteries (approx. 80 hours continuous operation)
Connector Interface	FC, SC or ST	FC, SC or ST

Environmental Specifications

Operating Temperature	-15° C to +55° C
Storage Temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	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

573XL 650nm LED Source for Large Core **Plastic and Glass Fiber**



- · 650nm wavelength
 - · Stable calibrated output
 - · Easy to use
 - · Continuous wave and modulated output
 - ST connector interface
 - · Long battery life approx. 24 hours
 - User selectable auto shut-off
 - · Rugged and splash-proof
 - · Economically priced

Optical Specifications

Center Wavelength	650nm
Range (Typical)	630nm to 670nm
Max. Spectral Width (FWHM)	<20nm
Stability (1 hour)	±0.05dB
Power Output into	-15dBm ±0.5dB
MM 200/300 SI Fiber	
Modular Frequencies	270 kHz, 1 kHz and 2 kHz ± 0.5 dB
Power Requirements	Two AA size 1.5V batteries
	(approx. 24 hours continuous operation)
Connector Interface	ST

Environmental Specifications

Operating Temperature	-15° C to +55° C
Storage Temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241g (8.5 oz.)
CE	EN61010; EN50081-1:1992; EN55011,Group1,
	Class A EN50082-1: 1992 IEC 801-2, -3, -4

577XL M90 850nm LED Source with M90 Launch Condition using 62.5/125 Fiber



- · 850nm wavelength
- Stable calibrated output
- · Easy to use
- · Continuous wave and modulated output
- Universal connector interface
- · Long battery life approx. 24 hours
- · User selectable auto shut-off
- · Rugged and splash-proof
- Economically priced

Optical Specifications

Center Wavelength	850nm
Range (Typical)	840nm to 880nm
Max. Spectral Width (FWHM)	<55nm
Stability (1 hour)	±0.05dB
Launch Profile	M90
Power Output into MM 62.5/125	-13dBm ±0.5dB
GI fiber	
Modular Frequencies	270 kHz, 1 kHz and 2 kHz $\pm 5\%$
Power Requirements	Two AA size 1.5V batteries
	(approx. 24 hours continuous operation)
Connector Interface	Universal connector interface, physical contact (UCI-PC)

Environmental Specifications

p1,

577XL AS100 850nm LED Source with AS-100 Launch Condition using 100/140 Fiber



- 850nm wavelength
- Stable calibrated output
- Easy to use
- · Continuous wave and modulated output
- Universal connector interface
- · Long battery life approx. 24 hours
- · User selectable auto shut-off
- · Rugged and splash-proof
- Economically priced

Optical Specifications

Center Wavelength	850nm
Range (Typical)	840nm to 880nm
Max. Spectral Width (FWHM)	<55nm
Stability (1 hour)	±0.05dB
Launch Profile	AS100
Power Output into MM 100/140	-13dBm ±0.5dB
GI fiber	
Modular Frequencies	270 kHz, 1 kHz and 2 kHz $\pm 5\%$
Power Requirements	Two AA size 1.5V batteries
	(approx. 24 hours continuous operation)
Connector Interface	Universal connector interface, physical contact (UCI-PC)

Environmental Specifications

Operating Temperature	-15° C to +55° C
Storage Temperature	-35° C to +70° C
Humidity	0 to 95% non-condensing
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in.)
Weight	241g (8.5 oz.)
CE	EN61010; EN50081-1:1992; EN55011,Group1,
	Class A EN50082-1: 1992 IEC 801-2, -3, -4

5670XL Multimode Fiber Optic Test Set



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



· Insertion loss test set for multimode fiber

- Rugged package design

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

- · 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

948 Connector Reel Cleaner

Connector Cleaning Tools

G GREENLEE



The Reel Cleaner is an all-in-one connector cleaning tool. A complete self-contained unit requiring no additional components to clean fiber optic connectors. 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.

70X Visual Fault Finder

- · Continuous wave output mode for steady fault location
- Find breaks to 5km
- Blinking output mode increases viewing contrast
- Easy-to-use quick interface fits all 2.5mm connector interfaces (FC, SC, ST)
- 1.0mW output power

Optical Specifications

- · 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

Environmental Specifications

Linkt Course Time	COEnm Dad Jacar Diada
Light Source Type	635nm Red laser Diode
Center Wavelength	635nm
Range (Typical)	630nm to 640nm
Max. Spectral Width (FWHM)	<2nm
Power Output	
Max. into SMF-28 Fiber	1.0mW (0dBm)
Min. CW Output Mode	316uW (-5vdBm)
Blink Frequencies in MOD mode	<3kHz approximate
Power Requirements	Two AA size 1.5V batteries (approx.
	48 hours continuous operation)
Connector Interface	Standard "Quick Connect" universal

aroo iypo	
/avelength	635nm
īypical)	630nm to 640nm
ectral Width (FWHM)	<2nm
utput	
SMF-28 Fiber	1.0mW (0dBm)
Output Mode	316uW (-5vdBm)
equencies in MOD mode	<3kHz approximate
equirements	Two AA size 1.5V batteries (approx.
	48 hours continuous operation)
or Interface	Standard "Quick Connect" universal 2.5mm receptacle

	Operating Temperature	-10° C to +50° C
	Storage Temperature	-40° C to +60° C
	Humidity	0 to 95% non-cond
	Dimensions	Length: 22 cm (9.0 Diameter: 2.54 cm
	Weight	200g (7.0 oz.)
	CDRH Laser Class	Class Illa
	CE	IEC 60-1-2 portion o
rox.		immunity requireme 801-2, -3, -4

densina in.) (1 in.) of the EN50082-1 ESD ent EN50082-1: 1992 IEC

G GREENLEE.

SensoLITE[™] Light Detector

Promotes workplace safety - can help prevent accidental eye exposure to hazardous laser radiation when used as directed

Optical Specifications

Center Wavelength	630nm to 1600nm
Detector	PIN-type germanium
Optical Interface	Direct connection to bare or con- nectorized fibers; No specialized adapters required
Sensitivity	
630nm	< -40dBm
850nm	< -55dBm
1300nm	< -55dBm
1550nm	< -55dBm
Output Indicators	
Light > -40dBm	Amber LED/audible signal
Battery test	Green LED
Power Requirements	Two AA size 1.5V batteries (approx. 100 hours continuous operation)

- Detects visible and invisible light wavelengths (630nm to 1600nm)
- Saves time and eliminates guesswork • Simple, durable, and easy to use
- Works with bare and connectorized fibers
- · Accepts all fiber and most connector types
- Wide sensitivity range: from -55dBm to +25dBm • Presence of light indicated by an audible signal and
- an illuminated front panel LED
- · Unique design permits testing in bright ambient light conditions
- Long battery life-up to one year of normal use
- · Low battery indicator
- Replaceable light blocking curtain

Environmental Specifications

for 577XL family

Operating Temperature	-15° C to +55° C
Storage Temperature	-25° C to +70° C
Humidity	0 to 90% RH, non-condensing
Dimensions	14.2 x 4.3 x 3.3 cm (5.6 x 1.7 x 1.3 in.)
Weight	120g (4.2 oz.) with batteries

Universal Connector Interface (UCI)

User will need to purchase a Universal Connector Interface (UCI)

Snap On Connector (SOC) for Fiber Optic Power Meter

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. Contact Greenlee for other available adapters.



adapter for use of the instrument. Please specify the desired connector adapter type when ordering. Contact Greenlee for other available adapters. FC SC ST

ASC-108



AST-108

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.

APC-108





100BASE-FX TO 100BASE-TX

AT. NO.	UPC	DESCRIPTION	Qty	
0XL	84501	VISUAL FAULT FINDER	1	
0XL	00024	SensoLITE™ LIGHT DETECTOR	1	
560XL	84485	FIBER OPTIC POWER METER	1	
567XL	00025	FIBER OPTIC POWER METER SI, (SOC)	1	
568XL	00026	FIBER OPTIC POWER METER, SOC-HP INGAAS	1	0
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	
573XL	00023	650NM LED SOURCE W/ST INTERFACE	1	
577XL AS100	00029	850NM LED SOURCE WITH AS100 LAUNCH	1	
577XL M90	00027	850NM LED SOURCE WITH M90 LAUNCH	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	0
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	
APC-108	60572 🛕	FC/PC UCI ADAPTER	1	77-
AST-108	60573 (ST/PC UCI ADAPTER	1	
ASC-108	60574 💧	SC/PC UCI ADAPTER	1	
1062	60575 🚯	SC/PC SOC ADAPTER	1	
T1020	60576 🔥	FC/PC SOC ADAPTER	1	
T1030	60577 🚯	ST/PC SOC ADAPTER	1	
948	60692 🚯	CONNECTOR REEL CLEANER CLEANING SYSTEM	1	
946	60571 (2.5 MM CLEANING WANDS	10	



www.greenleecommunications.com 1390 Aspen Way Vista, CA • 92081 • tel 800.642.2155

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