FIBER TEKNO

Fiber Test & Installation Products

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Fusion Splicer | OTDR | OLS | OPM | VFL | OFI | Cleaver

About Us

Registered in 2016, Fiber Teknologi Inovasi is professionally engaged in the integration and service of customized projects of deployment and detection of optical communication network. Fiber Teknologi Inovasi offers the most comprehensive selection of fiber-optical products to customers in different industries.

Fiber Teknologi Inovasi is a company that employs a reliable workforce to produce quality products

1) Telecom Racks and Cabinets 2) Plastic Fiber Termination Boxes 3) Fiber Passive Products 4) Fiber Test Instruments and etc.

Integrity and quality are two factors we hold in the highest regard, Fiber Teknologi Inovasi always keeps 'quality,service' as the guiding principle. As a highly flexible and competitive market player,we are always ready to provide our customers a most suitable and customized solution.
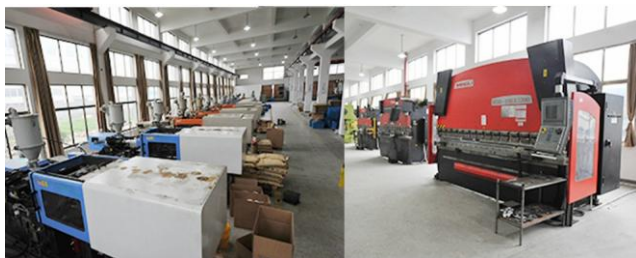
Facilities

Factory Buildings

Passive Products Workroom

Plastic Injection and Metal Punching Workroom

Fiber Instruments Workroom

Catalogue

Description

The OFS-3000 is the world s most advanced core alignment optical fusion splicer.With a solid performance, the OFS-3000 is speed and work flow optimised.9 second splice time and 16 seconds heat time make it the fastest available.Low loss splice performance in a compact ultra-ruggedized design.

Features

- **Compact size,easy to carry**
- **6-motors core alignment splicer**
- **3.7 inch high resolution color LCD**
- **FAST! 9 s splicing and 16 s heating**
- **Battery Max. 200 cycles (splicing & heating)**
- **Electrode life 2500 times per pair**
- **X and Y views with 310 X magnification**
- **Fully ruggedized for shock, dust and moisture**
- **Up to 8,000 groups of splicing results storage**
- **Splicing mode© Auto & Manual Selection**

OFS-3000 Series
Optical Fusion Splicer

SPECIFICATIONS

Applicable Fibers	SM, MM, NZ-DS, EDF
Average Splice Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(NZDS), 0.04dB(EDF)
Fiber aligning method	Core alignment
Splicing time	Typical 9 s with standard SM fiber
Heating time	Typical 30-60s (10-250s adjustable)
Electrode life	2500
Battery capacity	Max. 200 cycles (splicing and heating)
Monitor	3.7 inch color LCD
Storage of splice result	8000 results
Tension Test	2.0N (200gf) (Standard)
Splicing Program	50 groups
Protection Sleeve Length	20mm, 40mm, 60mm
Environmental Conditions	-10~+50 (operation temperature), 0~95% RH(humidity), 0~5000m(altitude)
Power Supply	AC/DC adapter: input AC 100~240V, output DC 13.5V/4.0A
Dimensions	135 * 160 * 150
Weight	2 . 2 k g

STANDARD PACKAGE

Fiber Cleaver*1
Fiber Stripper*1
AC/DC Adapter*1
Battery*1
AC Power Cord*1
Spare Electrodes*1
Cooling Tray*1
Operation Manual*1

Description

The worldwide spread of broadband service has stimulated the installation of optical fiber in metro and access networks, which in turn has increased the demand for portable and reliable test equipment to aid the installation and maintenance of these networks. An automated measurement function increases working efficiency,with a rugged design, GOR 600 series OTDR are built for top ruggedness and versatility,perfect for the harshest test conditions to verify the continuity and evaluate signal characteristic quality over the fiber network.

Features

- Automatic one-button testing
- Easy to operate for beginners and experts
- Integrated PALM design,small and light,easy to carry
- Short dead zone(1.5m)
- High performance & easy to use OTDR
- High speed signal processing, short test time and fast analysis
- Internal memory can store up to 1000 test curves
- High contrast color TFT LCD
- Improved waveform quality
- USB port connect to PC
- Input laser signal auto detection and self-protection function
- Built-in VFL
- User-friendly OTDR simulation software shows details of events

GOR600 Series

OTDR(Optical Time Domain Reflector)

Customization event
① Connector type
② OEM service can be privided

SPECIFICATIONS

Model	GOR600
Wavelength	1310 /1550 +/-20nm
Dynamic Range	* 30dB / 28dB
Event Dead Zone **	< 1.5m
Attenuation Dead Zone	< 10m
Pulse Width	10ns, 30ns, 50ns, 100ns, 275ns, 500ns, 1us, 5us,10us
Distance uncertainty	Distance uncertainty <(1.0m +/- 0.005% * testing distance * resolution)
Linearity	0.05dB/ dB
Loss Resolution	0.001dB
Distance Resolution	1m
Connector	FC, SC
VFL	5mW
Data Storage	> 1000 traces
Display	3.5 inch color LCD, touch screen operation
Interface	USB
Battery	Built-in Li-on battery pack(7.4V,4400mAh)
Working Time	>10 hrs (Bellcore TR-NWT-001138)

GENERAL SPECIFICATIONS

Size(H*W*D)	208mm x 110mm x 56mm
Weight	About 900g
Storage Temperature	-20 to +60 C,<90%RH
Operating Temperature	-10 to +50 C,<90%RH

* pulse width 10us, average time>5 minutes, SNR=1, 23.2 degrees
** pulse width 10ns, terminal refection loss>40dB

STANDARD PACKAGE

GOR600 main body, power cable, power adapter, manual, U disk, touchppen, bag and the certificate.

Description

Power meters are part of most essential tools for all technicians installing or maintaining optical fiber networks. GreenTel power meters are well designed for all kinds of demanding applications on fiber measurement with different functions and parameters. With a rugged design , GreenTel OM-15 series power meters are built for top ruggedness and versatility , perfect for the harshest test conditions to verify the continuity and evaluate fiber link transmission quality.

Features

- 2.5mm universal ferrule for FC, SC, ST adapters
- High resolution LCD screen with back light
- Automatically wavelength detection (When working with GreenTel OS-15 light source)
- Auto-off if no operation in 10 minutes
- Energy save mode
- Pocket size design, easy to carry
- Reference value storage;
- Power autonomy of 100 hours
- 850/1300/1310/1490/1550/1625nm
- One-year warranty and Three-year recommended calibration interval

OM-15 Series
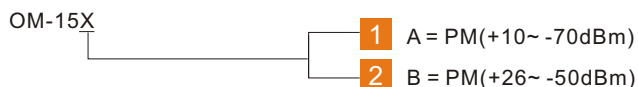## Optical Power Meter

Customization event
① OPM Measurement range
② Adaptor type
③ AC/DC Charging accessories
④ OEM service can be privided

SPECIFICATIONS

Model	OM-15A	OM-15B
Measurement Range(dBm)	+10~ -70	+26~ -50
Accuracy *	+/- 0.2 dB	
Calibrated Wavelengths	850nm / 1300nm / 1310nm / 1490nm / 1550nm / 1625nm	
Resolution	0.01dB	
Connector	Pre-installed SC/UPC Adaptor (additional FC/UPC with 2.5mm universal head)	
Reference Value storage	Yes	
Automatic Power Off	No operation in 10 minutes, Low battery alarm	
Back Light	Yes	
Detector Type	In GaAs	
Battery Charge	Yes	
Wave ID	Yes (when working in pair with GreenTel OS-15 light source)	
Power Capacity Display	Yes	
Power Supply	Input:AC 100-240V,50-60Hz Output: DC 5V/550mA	
Battery Life	Above 100 hours	
Power Supply	AA * 2 batteries or AC/DC power supply adapter	
Size(H*W*D)	150mm * 55mm * 35mm	
Weight	About 150g	
Storage Temperature	-20 -- +70 C, < 90%RH	
Operating Temperature	-10 -- +50 C, < 90%RH	

* at 20.3 C, CW, with SC connector, -10dBm
For 850nm, the Min. Power measurement: -60dBm@OM-15-A, -40dBm@OM-15-B

ORDERING INFORMATION

OM-15X

1 A = PM(+10~ -70dBm)
2 B = PM(+26~ -50dBm)

Description

Light sources are part of the toolbox essentials working in pair with power meters to measure the optical attenuation and eliminate the faults when telecom technicians install or maintain optical fiber networks. GreenTel OS-15 light sources are well designed for first-class versatility With a rugged design, OS-15 light sources are built for top ruggedness, perfect for the harshest test conditions to verify the continuity and evaluate fiber link transmission quality.

Features

- **2-3 wavelengths output on a single port**

- **High stabilization, built-in optic isolator**

- **270, 1000, 2000 Hz Tone**

- **Auto-Wave ID output**
  (when work with GreenTel power meter OM-15)

- **Back lighting LCD screen**

- **Energy save mode**

- **Power autonomy of 16 hours**

- **One-year warranty and Three-year recommended calibration interval**

OS-15 Series
Optical Light Source

Customization event
① Calibration wavelength
② SM or MM
③ Adaptor type
④ AC/DC Charging accessories
⑤ OEM service can be privided

SPECIFICATIONS

Model	OS-15s	OS-15M	OS-15T
Wavelength(nm)	1310/1550	850/1300	1310/1490/1550
Stabilization *	0.05dB / 1 hour; 0.1dB / 8 hours		
Output Power	> - 5dBm +/- 0.5dB (Laser: Class I)		
Modulation	270Hz, 1KHz, 2KHz		
Connector	Default SC/UPC adaptor (additional FC/UPC adaptor with 2.5mm universal head)		
Auto Power Off	No operation in 10 minutes , Low battery energy		
Spectral Width	3nm typical value		
Wave ID	Yes (when working in pair with GreenTel OM-15 series power meter)		
Battery Charge	AA * 2 batteries or AC/DC power supply adapter		
Operate Time	Above 16 hours		
Power Supply	Input: AC 100-240V,50-60Hz / Output: DC 5V/550mA		

GENERAL SPECIFICATIONS

Size(H*W*D)	150mm *55mm * 35mm
Weight	About 150g
Storage Temperature	-20 -- +70 C, < 90%RH
Operating Temperature	-10 -- +50 C, < 90%RH

* After 5 minutes warm-up, 20.3 degrees, CW, FC connector, with optic isolator

ORDERING INFORMATION

OS-15X   Model

1. OS-15S= 1310/1550nm laser 9/125um,single mode(SM)
2. OS-15M = 850/1300nm laser 62.5/125um,multi mode(MM)
3. OS-15T = 1310/1490/1550nm laser 9/125um,single mode(SM)

Description

Power meters and VFL are part of the most essential tools for all technicians especially during the installing or maintaining optical fiber networks in customer's building or premise such as we call it FTTH jobs. GreenTel MV-15 series multi meters are specifically designed for such scenario, a 2-in-1 set which combines power meter and VFL in one unit incredibly facilitates technicians operational experience.

MV-15 Series
Optical Multi Meter

Features

- **2.5mm universal ferrule for FC, SC, ST adapters**
- **High resolution LCD screen with back light**
- **Pocket size design, easy to carry**
- **Built-in VFL**
- **Auto-off if no operation in 10 minutes**
- **Energy save mode**
- **Reference value storage;**
- **Power autonomy of 100 hours**
- **850/1300/1310/1490/1550/1625nm for PM**
- **One-year warranty and Three-year recommended calibration interval**

Customization event

① **OPM Measurement range**
② **VFL power level**
③ **Adaptor type**
④ **AC/DC Charging accessories**
⑤ **OEM service can be privided**
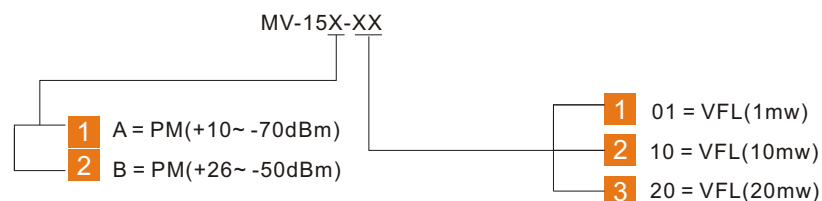
SPECIFICATIONS

Model	MV-15A-10	MV-15B-10
Measurement Range(dBm)	+10~ -70	+26~ -50
Accuracy *	+/- 0.2 dB	
Calibrated Wavelengths	850nm / 1300nm / 1310nm / 1490nm / 1550nm / 1625nm	
Resolution	0.01dB	
Connector	Pre-installed SC/UPC Adaptor (additional FC/UPC with 2.5mm universal head)	
Reference Value storage	Yes	
Automatic Power Off	No operation in 10 minutes, Low battery alarm	
Back Light	Yes	
Detector Type	In GaAs	
Battery Charge	Yes（optional）	
Wave ID	Yes (when working in pair with GreenTel OS-15 light source)	
Build-in VFL	650nm（default 10mw, optional 20mw） CLASS IIB	
Power Supply	Input:AC 100-240V,50-60Hz Output: DC 5V/550mA	
Battery Life	Above 100 hours	
Power Supply	AA * 2 batteries or AC/DC power supply adapter	

GENERAL SPECIFICATIONS

Size(H*W*D)	150mm * 55mm * 35mm	
Weight	About 250g	
Storage Temperature	-20 -- +70 C, < 90%RH	
Operating Temperature	-10 -- +50 C, < 90%RH	

* at 20.3 C, CW, with SC connector, -10dBm
For 850nm, the Min. Power measurement: -60dBm@OM-15-A, -40dBm@OM-15-B

ORDERING INFORMATION

MV-15X-XX

| 1 | A = PM(+10~ -70dBm) |
| 2 | B = PM(+26~ -50dBm) |

1	01 = VFL(1mw)
2	10 = VFL(10mw)
3	20 = VFL(20mw)

Description

The pocket type VFL is the easiest way to identify fibers from end to end and locate connector endfaces. Its red laser shines through most yellow-jacketed fibers to help you trouble-shooting on fiber breaks,tight bends, faulty connections, splices and other causes of signal loss.

GreenTel offers you the world-smallest VFL to the most demanding environment with reliable operation under intensive use and harsh conditions. It is a perfect complementary tool for OTDR because of its capability of finding breaks in the dead zone of OTDR.

Features

- **Bright red laser at 650nm**
- **Pulsed and CW operation**
- **50 hours of operation(typical)**
- **Standard AA alkaline batteries**
- **Rugged and weatherproof design**
- **2.5mm universal connector**
- **One-year warranty and Three-year recommended calibration interval**

OV-15 Series
Visual Fault Locator

Customization event
① **VFL power level**
② **OEM service can be privided**

SPECIFICATIONS

Model	OV-15-01	OV-15-10	OV-15-15	OV-15-20
Wavelength	650nm +/- 20nm			
Output Power *	> 1mW	> 10mW	> 15mW	> 20mW
Dynamic Distance **	>5 km	>8 km	>12 km	>15 km
Operation Mode	Pulsed (2Hz) and CW			
Connector ***	2.5mm Universal connector			

GENERAL SPECIFICATIONS

Size(H*W*D)	138mm *59mm * 20mm
Weight	130g
Storage Temperature	-20 -- +70 C, < 90%RH
Operating Temperature	-10 -- +50 C, < 90%RH

* After 5 minutes warm-up, 20+/- 3 degrees, CW, FC connector
** The distance is tested by G.655, single mode, lab level fiber
*** Standard connector is 2.5mm UPP, 1.25mm UPP will be customized and increase the cost

ORDERING INFORMATION

Model   OV-15-X

Output Power:
1 01 = 1mw
2 10 = 10mw
3 15 = 15mw
4 20 = 20mw

Description

The GFI Live Fiber Identifier allows you to detect traffic and measure signals anywhere onsinglemode fibers without having to disconnect them . It also lets you check for signal presence before rerouting or maintenance , perform continuity tests and verify cable labeling.

Based on non-destructive macrobending technology,the GFI doesn't disrupt traffic,damage or overstress the fiber,enabling efficient,accurate and reliable data acquisition.

Features

- Indicate the signal directions in fiber
- Indicate the signal presence or absence(Live ordark fiber)
- Detect tones 270Hz, 1kHz and 2kHz to verify the modulated signal type
- Handhold design
- Build in VFL 1mW or 10mW optional
- Battery low indication
- Powered by 2 units of 1.5V AA batteries
- One-year warranty and Three-year recommended calibration interval

GFI Series
Optical Fiber Identifier

Customization event
① VFL power level
② OEM service can be privided

SPECIFICATIONS

Model	GFI-400	GFI-420S	GFI-420L
Wavelength Range	800 to 1700nm (SM)		
Recognizable signal type*	CW, 2kHz, 1kHz, 270Hz +/-10%		
Detector Type	InGaAs 2pcs		
Fiber Type	0.9, 0.25, 2.0, 3.0 mm fiber		
Sensitivity	+10 ~ -50dBm		
Accuracy *	+10dB to -30 dBm (Continuous Wave) /+10dB to -25 dBm (Modulated Signal)		
LED Indicator	Signal direction; signal frequency (2kHz/1kHz/270Hz); low battery		
Visual Fault Locator	No	1mW	10mW
Power Supply	AA * 2		
Size(H*W*D)	230mm *45mm * 45mm		
Weight	200g		
Storage Temperature	-20 -- +70 C, < 90%RH		
Operating Temperature	-10 -- +50 C, < 90%RH		

GENERAL SPECIFICATIONS

Size(H*W*D) 230mm * 45mm * 45mm

Weight About 200g

Storage Temperature -20 -- +60 C , < 90%RH

Operating Temperature -10 -- +50 C , < 90%RH

* at 20.3 degrees, indoor, 1550nm wavelength, 0.9mm fiber, with white coat, 270Hz, error < 5%
* 0.25, 2.0, 3.0mm fiber, the performance at continuous wave will be lower
* 1KHz, 2KHz, the performance at modulated signal will be lower
* at 1310nm wavelength, the performance will be lower

ORDERING INFORMATION

GFI-X   Model

1 GFI-400: Standard live fiber identifier without VFL
2 GFI-420S: Standard live fiber identifier with 1mw VFL
3 GFI-420L: Standard live fiber identifier with 10mw VFL

Description

The GVA50 optical variable attenuator is designed for optimal flexibility and field usability, the GVA50 delivers the highest performance within handheld optical attenuator on the market, it is an ideal tool for telecom technicians to do the pre-test before the maintenance.

Features

- **Compact and rugged portable design**
- **Three wavelengths: 1310nm / 1490nm / 1550nm**
- **Different attenuator range, 40dB, 60dB or 80dB**
- **Can save current value as reference**
- **Can save 10 tracks attenuation value**
- **Memorize the value after instruments shut down**
- **Energy save mode**
- **One-year warranty and Three-year recommended calibration interval**

GVA50 Series

Optical Variable Attenuator(Digital)

Customization event

① **Attenuation range**
② **Connector type**
③ **OEM service can be privided**

SPECIFICATIONS

Model	GVA50-40	GVA50-60	GVA50-80
Attenuating Range	40 dB (SM)	60 dB (SM)	80 dB (SM)
Calibrated Wavelengths	1310nm / 1490nm / 1550nm		
Fiber Mode	9/125um		
Attenuating Mode	Digital		
Display Resolving Power	0.1 dB		
Display	LCD, 128*64		
Max Input Power	+ 28 dBm		
Return Loss*	> 40 dB		
Insertion Loss*	< 2.5 dB		
Optical Connector	FC/PC (or customize other connectors)		
Uncertainty	+/- 0.5 dB		
Repeatability*	+/- 0.2 dB		
RS-232	Optional		
Auto Power Off	No operation in 10 minutes (can be canceled), Low battery energy		
Battery Charge	Yes		
Operate Time	Above 20 hours		
Power Supply	3 * AA batteries or AC/DC adapter		

GENERAL SPECIFICATIONS

Size(H*W*D)	190mm *90mm * 40mm		
Weight	about 450g		
Storage Temperature	-20 -- +60 C, < 90%RH		
Operating Temperature	-10 -- +50 C, < 90%RH		

*at 20±3℃, CW, with FC/PC connector,1550nm

ORDERING INFORMATION

GVA50-XX　　　Model

1 GVA50-40 = 40dB
2 GVA50-60 = 60dB
3 GVA50-80 = 80dB

Description

GreenTel GPN80 series PON Power meter is developed for a quick, on-site testing of all PON signals, anywhere on the network. It is capable to measure the concurrent upstream/downstream data via a pass-through connection, with simulating software management capabilities and enhanced ruggedness, it increases the efficiency of technician's daily deployment activities.

Moreover, its visual fault locator port allows for easy fiber identification and macrobend location. This handhold unit also features pass/fail indications with use-defined thresholds.

Features

- **Automated pass/fail assessment**
- **Quick and efficient visual inspection**
- **Providing distinct power values for 1310 nm, 1490 nm and 1550 nm**
- **Pass through measurement**
- **Simultaneously measure and display the concurrent voice, data and video signals on different pon architectures**
- **Manual calibration**
- **One-year warranty and three-year recommended calibration interval**

GPN80 Series
PON Power Meter

Customization event

① **Attenuation range**
② **Connector type**
③ **OEM service can be privided**

SPECIFICATIONS
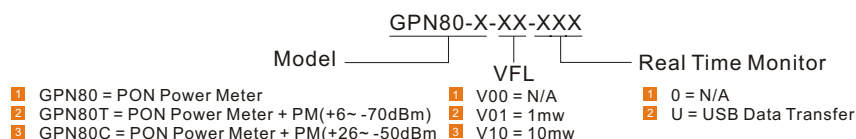
Model	GPN80
Measurement Range(dBm)	1310 nm: +10 ~ - 35 dBm/1490 n m: +10 ~ - 50 dBm/1550 nm: +25 ~ - 45 dBm
Pass Through Loss	< 1.5 dB
Accuracy *	+/- 0.2 dB (burst signal: < 0.5dB)
Threshold sets	10
Data Storage	100
Connector	SC/UPC (or customize)
Auto Power Off	No operation in 10 minutes (can be canceled), Low battery energy
Battery Charge	Yes
Connect To PC	Optional function
Manual Calibration	Yes
Operate Time	Above 36 hours
Power Supply	3* AA batteries or AC/DC power supply adapter

GENERAL SPECIFICATIONS

Size(H*W*D)	190mm *90mm * 40mm
Weight	about 450g
Storage Temperature	-20 -- +60 C, < 90%RH
Operating Temperature	-10 -- +50 C, < 90%RH

* at 20.3 degrees, with SC/PC connector, -10dBm

ORDERING INFORMATION

GPN80-X-XX-XXX

Model —　VFL　— Real Time Monitor

1 GPN80 = PON Power Meter
2 GPN80T = PON Power Meter + PM(+6~ -70dBm)
3 GPN80C = PON Power Meter + PM(+26~ -50dBm

1 V00 = N/A
2 V01 = 1mw
3 V10 = 10mw

1 0 = N/A
2 U = USB Data Transfer

Description

There is always plenty to talk about during fiber-optic cable installation and maintenance, however not everywhere we can talk to each other especially installing cables in areas with no existing signal coverage, now the AOT600 Optical Talk Set lets you do just that.It is designed to allow voice communication over fiber optic cables.It can also be used as a light source to facilitate testing and fiber identification.

Features

- **Talk by connecting with fiber**
- **Light source capabilities**
- **Full-duplex communication with high quality**
- **Long and short mode for different distance**
- **Wide dynamic range: 45dB;Large dynamic distance: >120km**
- **Keep pressing "call" can remind each other**
- **Power autonomy of 70 hours**
- **One-year warranty and Three-year recommended calibration interval**

AOT 600 Series
Optical Talk Set

Customization event

① **Connector type**
② **Need clip-on device or not**
③ **OEM service can be privided**

SPECIFICATIONS	
Model	AOT600
Wavelength	A: 1310nm, B: 1550nm
Operating Style	Full duplex communication
Output Power	> -5dBm
Fiber Type	SM
Dynamic Distance*	SM fiber: > 120 km
Dynamic Range*	SM fiber: 45dB
Connecting Adapter	FC / PC
Battery Charge	Optional
Operate Time	Above 12 hours
Power Supply	2 * AA batteries or AC/DC adapter

GENERAL SPECIFICATIONS	
Size(H*W*D)	190mm *75mm * 40mm
Weight	About 200g
Storage Temperature	-20 -- +60 degrees, < 90%RH
Operating Temperature	-10 -- +50 degrees, < 90%RH

not use the fiber clamp for connecting

Description

CLV100C is an extremely light and reliable cleaaver for the fiber optical installation and maintenance. With the excellent portability, it is one of the most essential tools for FTTx applications and site splice works.

The blade is made by tungsten alloy which features extraordinary sharp for the cleaving of optical fiber, which enhances the performance of fusion splice or mechanical splice. 12 positions and 3 adjustable blade heights allows multipul uses without sacrificing the cleaving quality.

CLV100C Series
Fiber Optical Cleaver

Features

- Compact body&light weight
- Applicable up to 12-filber cleaving
- 36,000 fibers blade life(3 height*12 position*1000 fibers)
- Simple&single-step operation
- Detachable fiber scrap collector available for CLV-100C as option
- Different types of fiber holder available for not only bare but also drop cable

Replaceable Blade CB-100

SPECIFICATIONS

Description	CLV-100C Universal Fiber Cleaver
Applicabel Fiber	Conventional silica optical fiber
Fiber Count	Single fiber
Fiber Diameter	125um
Fiber Placing	Fiber holder(suitable for drop cables, patchcords and bare fiber)
Coating Diameter	250 to 900 um, 2mm, 3mm, 3.5mm(drop cable requires optional holder FH-100)
Cleaving Length	250um: 9 to 16 mm, 900um: 10 to 16mm
Cleaving A ngle	0.4 degrees variable (single mode fiber)
Blade Change	User replaceable
Blade Life	36000 fibers(1,000 fibers * 16 positions * 3 heights)
Dimensions	56 * 55 * 54mm
Weight	165g

Standard Package

Description	Model No.	CLV-100C
Main body	CLV-100C	1 pcs
Fiber plate	FP-100	1 pcs
Carry bag	CB-100	1 pcs
Fiber scrap collector	FSC-100	1 pcs
Instruction manual		1 pcs

Optional Items

Description	Model No,	Note
Blade for CLV-100C	CB-100	user replaceable
Drop cable holder	FH-100	

Description

GTK-300 Series
FTTx Installation Tool Bag

The FTTH construction is booming everywhere and quite a lot of places are down to the premise stage, this requires the engineers to have a all-in-one Tool Kits for the in-house installation which include the last mile installation, activation and fiber inspection.

GreenTel launches the GTK-300 series FTTx installation tool bag which including a OPM, VFL,fiber cleaver, fiber coating stripper, drop cable stripper, alcohol bottle and kevlar scissor.

1. Tuck Net Design
2. FAOC and tissue can be placed
3. Mechanical splicer can be placed
4. Depth:1.5cm
5. Place for OPM,VFL Cleaver and Stripper
6. Place for VFL, batteries and chargers

16.5cm
23.5cm   15.5cm

VFL (Visual Fault Locator)	
Model	OV-15-01
Wavelength	650nm +/- 20nm
Output Power *	> 1mW
Dynamic Distance **	>5 km
Operation Mode	Pulsed (2Hz) and CW
Connector ***	2.5mm Universal connector

OPM (Optical Power Meter)	
Model	OM-15A Or OM-15B
Wavelength(nm)	850/1300/1310/1490/1550/1625
Mesurement Range(dBm)	-70 to +10 Or -50 to +26
Connerctor	2.5mm Universal connector + default SC/UPC adaptor

Fiber Cleaver	
Model	CLV-100C
Coating Diameter	250 to 900um, 2mm, 3mm, 3.5mm (Drop cable cleaving is supported)
Cleaving Angle	0.5 degrees typical (single mode fiber)
Blade Life	54000 fibers (1500 fibers * 12 positions * 3 heights)

* After 5 minutes warm-up, 20+/- 3 degrees, CW, FC connector
** The distance is tested by G.655, single mode, lab level fiber
*** Standard connector is 2.5mm UPP, 1.25mm UPP will be customized and increase the cost

List of Items in GTK-300

Description:	Model:	Quantity:	Remarks:
Optical Power Meter	OM-15A	1 pcs	OM-15B is optional
Visual Fault Locator	OV-15-1	1 pcs	OV-15-10 is optional
Drop Cable Stripper	DCS-100	1 pcs	
Fiber Coating Stripper	FCS-100	1 pcs	
Kevlar Scissor	FKS-100	1 pcs	
Fiber Cleaver	CLV-100C	1 pcs	
Alcohol Bottle	AHB-09	1 pcs	

Description

There is always plenty to do before the splicing job begins especially in the field, the changing environment requires field engineers to have an all-in-one Cleaning Kits for the fiber inspection and preparation before they officially start the cabling and splicing works to ensure the fiber optical network quality up to standard.

GreenTel GTK-400 series and GTK-500 series FTTx cleaning tool bag are launched to bring all the neccesary tools together to assist field engineers to eliminate all the possible obstacles it might happen on the field.

No	GTK-400 Tool Bag Accessories List
1	One click cleaner 1.25mm
2	One click cleaner 2.5mm
3	OAM fiber optical connector cleaner
4	OAM replacement reel
5	OAM fiber adaptor cleaning swab 200 pcs
6	CRC dust spray
7	KIMTECH IPA cleaning wipes
8	Alcohol bottle
9	Carrying bag

* Note: **CRC dust spray can only be delivered by sea due to aircraft regulation**

No	GTK-500 Toolkit Accessories List
1	CFS-2 fiber optical stripper
2	Kevlar scissors
3	Fiber scriber
4	Fiber jacket stripper
5	Universal connector Crimper
6	45-162 buffer tube stripper
7	Round cable jacket stripper
8	400x fiber optical microscope
9	Piano wire
10	4-in-1 Pen size magnetic screwdriver
11	Tweezers
12	24 Port connector heat oven
13	EPO-TEK 353ND epoxy
14	Epoxy injection syringe(3ml)
15	5um Polish film - 10 sheets
16	1um Polish film - 10 sheets
17	0.5um Polish film - 10 sheets
18	2.5mm universal polish puck
19	1.25mm universal polish puck
20	5.9" Rubber polish pad
21	5.9" Glass polish pad
22	Black work mate
23	IPA Fiber cleaning wipes
24	Kimtech wipes(280 pcs/box)
25	Cleaning swab
26	250ml Alcohol dispenser bottle
27	3M Insulation tape
28	Utility knife
29	Utility component box
30	Marker pen

GTK-400 Series
Field Cleaning Tool Bag

GTK-500 Series
Field Polishing Toolkit

One Hole Fiber Stripper

Features

- For stripping 250um buffer coating to expose 125um cladded fiber
- Ergonomic design, comfortable handing
- Industrial standard high quality rubber hander
- Pre-set at the factory - no adjustments needed
- Will not scratch or nick glass fiber
- Length: 135mm; weight: 71g

PartNumber	Description
FO103–S	Fiber Stripper

Two Hole Fiber Stripper

Features

- For stripping 250um buffer coating to expose 125um cladded fiber
- Ergonomic design, comfortable handing
- 140um diameter hole and V-opening in blade allows removal of 250um buffer coating from 125um fiber
- Pre-set at the factory - no adjustments needed
- Will not scratch or nick glass fiber
- Length: 165mm; weight: 113g

PartNumber	Description
CFS–2	Fiber Stripper

Three Hole Fiber Optic Stripper

Features

- For stripping 250um buffer coating to expose 125um cladded fiber
- Second hole for stripping 2-3mm fiber jackets
- 140um diameter hole and V-opening in blade allows removal of 250um buffer coating from 125um fiber
- Pre-set at the factory - no adjustments needed
- Will not scratch or nick glass fiber
- Length: 165mm; weight: 113g

PartNumber	Description
CFS–3	Fiber Stripper

Kevlar Scissors

Features

- To cut Kevlar strength member in fiber optic cable
- Ergonomic design, comfortable for handling
- One micro-serrated blade reduces slippage for more positive cutting action
- Dimension: 142*75*18mm
- Weight: 66g

PartNumber	Description
LW-9011Z	KevlarScissors

Drop Cable Stripper

Features

- For stripping 3.1x2.0mm drop cable
- Ergonomic design, comfortable handing
- With tick marks, easy to use
- Can cut the strength member of drop cable
- Will not scratch or nick glass fiber
- Length: 113mm; weight: 172g

PartNumber	Description
CP-FB01	Drop Cable Stripper

Vertical Cable Shealth Cutter

Features

- Impact resistant plastic material
- Double bladed knife made from hardended special steel
- Adjustable slitting depth according to specific cable diameter
- Two adapters for both different types of cable (Grey for ADSS/OPGW cable, yellow for optical fiber)
- Will not scratch or nick glass fiber
- Length: 155mm; weight: 184g

PartNumber	Description
KMS-K	Vertical Cable Sheath Cutter

Round Cable Shealth Cutter

Features

- Electroplating surface treatment
- Composed with high quality metal blade, more durable
- Body made by metal alloy, nice and neat
- Will not scratch or nick glass fiber
- Length: 130mm; weight: 240g

PartNumber	Description
EACKER	Round Cable Cutter

Online Optical Cable Sheath Stripper

Features

- Perfect for online non-stop traffic cable sheath stripping
- Can use it for both vertical and horizontal cable sheath stripping
- Highly improved cable fixture jig, can strip from anywhere of the cable
- Adjustable slitting depth according to specific cable diameter
- Ratchet wheel design, highly improved the stripping efficiency
- Durable blades, compact deisgn, time saving
- Dimension: 290*200*90mm
- Weight: 0.8kg

PartNumber	Description
CC-10	Online Optical Cable Sheath Stripper

Description

There is always contaminants in the optical ferrule and ceramic sleeves which might result an inproper test performance and in the worst case, it might affect the quality of whole fiber optical distribution network which is something nobody would expect to happen. However cleaning on optical ferrule is not always an easy job to do, the very limited space is the main challenge for it.

OCC one click cleaner is designed to provide a perfect solution for the fiber optical ferrule & connector ceramic sleeves. It is composed by a special cleaning reel and extendable nuzzle with simply one clicking to finish the job. It meets the most rigorous cleaning environmental requirements.

Features

- Suitable for the cleaning of both fiber ferrule and ceramic sleeve
- Can be used for 2.5mm, 1.25mm, 2.0mm, 1.6mm, MPO ferrules
- Cleaning cycles up to 800 times
- Simple operation, easy to use
- Antistatic finish design
- Dimension: 185x25x25mm; weight: 34g(1.25mm&2.5mm)/200x25x25mm; weight: 39g(1.6mm&2.0mm)

CLEP Series
One-Click-Cleaner

PartNumber	Description
CLEP-25	One-Click-Cleaner 2.5mm

PartNumber	Description
CLEP-125	One-Click-Cleaner 1.25mm

PartNumber	Description
CLEP-20	One-Click-Cleaner 2.0mm

PartNumber	Description
CLEP-25-M	One-Click-Cleaner 2.5mm Mini Type 128x41x23mm, 29g

PartNumber	Description
CLEP-125-M	One-Click-Cleaner 1.25mm Mini Type 128x41x23mm, 29g

PartNumber	Description
CLE-MPO-T	One-Click-Cleaner MPO Type 22.5x6.5x3cm, 76g

PartNumber	Description
CLE-MPO	One-Click-Cleaner MPO Type 22.5x6.5x3cm, 84g

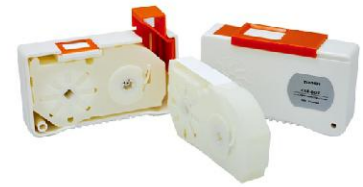| PartNumber	Description
CLEP-16	One-Click-Cleaner 1.6mm

Description

GreenTel provides various cleaning tools. Including cleaning cassettes, cleaning sticks and cleaning IPA wipes. Optical fiber and equipment are high precise, in most situation the performance of a optical fiber a equipment is depend on the cleaning level of the connection port or end-face, even a little dirt can affect the performance. So the cleaning tools are very essential. With these cleaning tools, user can clean a fiber termination, a insertion port of a important optical instrument, ensure the performance of a testing equipment and etc.

Features

● **Easy to use**

● **Depth cleaning**

● **Better cost-performance Ratio**

Specification

Cleaning cassettes

Connector type	SC, FC, ST, DIN, D4, MU, LC, MT
Working life	>500 times/ cartridge
Working temperature	10C~60C
Storage temperature	4C~60C
Humidity	20%~80% R.H.
Size (mm)	115*79*32
Weight(g)	200

Cleaning stick

Diameter	2.5mm/1.25mm
Connector type	SC, SC2, FC, ST, DIN, D4, MU, LC, MT
Working temperature	10C~60C
Storage temperature	4C~60C
Humidity	20%~80% R.H.
Dimension	2.5mm*145mm / 1.25mm*100mm

Cleaning IPA wipes

Connector type	SC, SC2, FC, ST, DIN, D4, MU, LC, MTSC, SC2, E2000, Rx4.5
Working temperature	10C~60C
Storage temperature	4C~60C
Humidity	20%~80% R.H.
Dimension (mm)	15.24*15.24

Kimwipes

Layer Number	single layer
Color	white
Package	280 pieces/box
Fiber Mode	single mode & multi-mode
Fiber Type	G.652, G.657, OM1, OM2, etc
Connector Type	SC, FC, ST, LC, etc

Alcohol Dispenser Bottle

Volume	100ml	200ml	250ml
Dimension (mm)	80×52×52	105×52×52	128×52×52
Fiber Mode	single mode & multi-mode		
Fiber Type	G.652, G.657, OM1, OM2, etc		

PartNumber	Description
CLE-BOX	Optical fiber cleaning cassette

PartNumber	Description
CLS2-001	Φ2.5mm cleaning stick

PartNumber	Description
CLS2-002	Φ1.25mm cleaning stick

PartNumber	Description
IPA2-001	Cleaning IPA wipes

PartNumber	Description
Kimwipes	Cleaning tissue

PartNumber	Description
GT-ADB-100	Alcohol Dispenser Bottle

Description

FVM-100 is a portable, video microscope used to inspect all kinds of fiber optic terminations, especially for the female ones. It eliminates the need to access the backside of patch panels or disassemble hardware devices prior to inspection.

Features

- **Convenient using both for male and female adapters**
- **Widely used in DWDM, SDH, SONET etc**
- **Magnification:250 via 3.5"220,000 pixels TFT LCD**
- **Available for USB 2.0 Interface on PC and data saving**

FVM-100 Series
Hand-held Inspection Probe

Specification

Magnification	400x(9"Monitor) 250x(3.5"Monitor)
Resolution Ratio	0.5 um
Display Screen	3.5"TFT-LCD,960X240 pixels
Video Ouput	NTSC/PAL

Applications

Tips Type	Function Description
25-U-M	FC/SC/ST/E2000 patch cord UPC connector
125-U-M	LC/MU patch cord UPC termination
25-A-M	FC/SC/ST/E2000 patch cord APC connector
125-A-M	LC/MU patch cord APC termination
25-U-F	FC/SC/ST/E2000 UPC bulkhead
125-U-F	LC UPC bulkhead
SC-A-F	SC APC bulkhead
FC-A-F	FC APC bulkhead
LC-A-F	LC APC bulkhead

Other Parts

Power Supply	3.7V 4500mA/5V 1A Li Battery
Weight	1.5kg
Work/Storage	-20C~+50C / -30C~+60C

Standard Package

Inspection Probe	3.5" monitor
25-U-M	125-U-M
25-U-F	125-U-F
Instruction manual	Recharger
Carrying bag	Li-on Battery

Optional Items

25-A-M	125-A-M
SC-A-F	FC-A-F
LC-A-F	AV-USB 2.0 Converter

Description

FVM-101/102 are portable, video microscope used to inspect all kinds of fiber optic terminations, especially for the female ones. It eliminates the need to access the backside of patch panels or disassemble hardware devices prior to inspection.

FVM-100 Series
Hand-held Inspection Probe

Applications	
Tips Type	Function Description
25-U-M	FC/SC/ST/E2000 patch cord UPC connector
125-U-M	LC/MU patch cord UPC termination
25-A-M	FC/SC/ST/E2000 patch cord APC connector
125-A-M	LC/MU patch cord APC termination
25-U-F	FC/SC/ST/E2000 UPC bulkhead
125-U-F	LC UPC bulkhead
SC-A-F	SC APC bulkhead
FC-A-F	FC APC bulkhead
LC-A-F	LC APC bulkhead

PartNumber	Description
FVM−101	**4−Pin Regular Inspection Probe**

PartNumber	Description
FVM−102−A	**USB Analysis Inspection Probe**
Features	**USB1.0/1.1/2.0 output**
	Analysis Software
	Windows;Linux System

Specification

Magnification	400x(10"Monitor) or 200x(3.5"Monitor)
Resolution Ratio	0.75 um
Display Screen	3.5"TFT-LCD,320X240 pixels(FVM-101)
	10"TFT-LCD,1024X768 pixels(FVM-102-B)
Operating System	Window/Linux(FVM-102-A)
Power Supply	12.6V Li-on Battery
Probe Dimension	22*3*3cm
Monitor Dimension	17*10*4.5cm (FVM-101)
	26.5*22*4.5cm (FVM-102-B)
Probe Weight	0.14kg
Monitor Weight	0.4kg (FVM-101)
	1.5kg (FVM-102-B)
Work/Storage	-20C~+50C / -30C~+60C

PartNumber	Description
FVM−102−B	**USB Analysis Inspection Probe**
Features	**Probe+BNC converter**
	Application:Mainly Indoor
	Advantage:Economy

Standard Accessories	FVM-101	FVM-102
Probe(200x or 400x)	Yes	Yes
4 Tips(125-U-M/25-U-M/125-U-F/25-U-F)	Yes	Yes
3.5"monitor & 12V AC/DC adapter	Yes	No
Analysis Software & USB key	No	Yes
Manual & Carrying Bag	Yes	Yes
Optional Accessories		
3.5" SD-monitor; BNC converter; USB converter;Tips		

PartNumber	Description
FVM−102−C	**Inspection Probe**

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