SURFIBER

Fiber Optic Tools Catalogue

10+ Years Production Experience
The Most Reliable Choice For Fiber
Optic Passive Components

1. SUR70B PON Power Meter



- ◇ Handheld, easy to operate
- ◇ Can test 3 wavelengths' power of PON system synchronously: 1310nm, 1490nm, 1550nm
- ◇ Can test the burst mode signal of 1310nm
- ◇ True color screen
- ◇ Friendly operation interface, human message management and operation function
- ◇ Supply 10 groups of threshold values for operator's choice, analyze and display pass and fail status
- ◇ Relative value choice and edit function
- ◇ Can save 1000 records and upload the records through USB to management software
- ◇ Can set the threshold value, upload data, and calibrate wavelength through management software
- ◇ Auto shut off (according to set value)
- ◇ Auto backlight off(according to set value)
- ◇ 6600mAh Lithium battery
- ◇ Power saving design (Low voltage self check and power off)
- ◇ Real-time clock display
- ◇ Optical Power Meter & Visual Fault Locator（ Optional Function)

Specifications

Standard wavelengths	1310 (upstream)	1490 (downstream)	1550 (downstream)
Pass zone(nm)	1260~1360	1470~1505	1535~1570
Range(dBm)	-50~+10	-50~+10	-45~+23
Isolation @1310nm(dB)		>40	>40
Isolation @1490nm(dB)	>40		>40
Isolation @1550nm(dB)	>40	>40	
Accuracy			
Uncertainty(dB)	±0.5		
Polarization Dependent Loss (dB)	<±0.25		
Linearity(dB)	±0.1		
Through Insertion Loss(dB)	<1.5		
Resolution	0.01dB		
Unit	dBm/xW		
LCD	480*800, True color touch screen		
Battery	7.4V 2200mAH rechargeable Lithium battery		
Working temperature	-10~60° C		
Storage Temperature	-25~70° C		
Dimensions(mm)	185*80*50		
Weight(g)	About 370g		

2. SUR581 PON Power Meter



- ◇ Handheld, easy to operate
- ◇ Automatically shut down can be set
- ◇ Burst mode test for 1310nm upstream wavelength
- ◇ Measurement and alarm thresholds can set
- ◇ Support the synchronous measurement and display of experimental voice, data and video signals on PON architecture
- ◇ Uplink signal1310nm, downlink signal 1490nm and 1550nm in PON system can be measured at once

Specifications

Wavelength	1310±50nm	1490±15nm	1550±10nm
Isolation 1310nm	--	>40dB	>40dB
Isolation 1490nm	>40dB	--	>40dB
Isolation 1550nm	>40dB	>40dB	--
Measuring Range	-35~+10dBm	-40~+12dBm	-40~+25dBm
Uncertainty	≤0.5dB		
Insertion Loss	≤1.5dB		
Detector Type	InGaAs		
Display Resolution	0.1dB		
Fiber Type	SM 9/125μm		
Threshold Setting	10groups		
Connector	SC/APC (SC/UPC as optional)		
Others			
Display	Color LCD		
Exter Storagr	10		
Data Interface	Micro USB		
Power Supply	Three 1.5V AA Batteries		
Battery Life	Standby＞20h；Measuring time＞12h		
Operating Temperature	-10℃~+50℃		
Storage Temperature	-40℃~+70℃		
Relative Humidity	0~95%Non Condensing		
Dimensions	186*100*50mm		
Weight	about 150g		

3. SUR103N Optical Power Meter



- ◇ Auto-off function
- ◇ Back light LCD display
- ◇ User self-calibration function
- ◇ SC+ST+FC connectors included
- ◇ AAA batteries which is more convenient to carry
- ◇ Quick response and measurement: It can display fast-tracking and real-time measurement of optical power when output power changes
- ◇ Wide measurement range: it can provide 80dB of optical power measurement range
- ◇ Provide absolute optical power measurement and relative power measurement.
- ◇ Real-time monitoring and displaying the battery level, Warning notice is available when the battery is low.
- ◇ Six calibrated wavelength: 850nm,1300nm, 1310nm,1490nm,1550nm,1625nm

Specifications

Measuring Range	+10 ~ -70dBm	+26 ~ -50dBm
Accuracy *	± 0.2dB	
Calibrated Wavelengths	850nm / 1300nm / 1310nm / 1490nm / 1550nm / 1625nm	
Resolution	0.01dB	
Connecting Adapter	FC/PC & 2.5mm Universal	
Reference Value storage	Yes	
Automatic Power Off	No operation in 10 minutes (can be cancelled), Low battery energy	
Tone Detector ** (optional)	+5 ~ - 40 dBm	+20 ~ - 25 dBm
Battery Charge	Yes	
Battery Life	Above 100 hours	
Storage Temperature	-20 -- +60 ℃, 90%RH	
Operating Temperature	-10 -- +50 ℃, 90%RH	
Power Supply	3* AA batteries or AC/DC adapter	
Size	160mm * 75mm * 32mm	
Weight	About 160g	

4. SUR570 Optical Power Meter (VFL Optional)



- ◇ Ten calibrated wavelength: 850/980/1270/1300/ 1310/1490/1550/1577/1625/1650nm
- ◇ Universal 2.5mm adapter (FC/SC/ST)
- ◇ Back light LCD display
- ◇ User self-calibration function
- ◇Quick response and measurement: It can display fast-tracking and real-time measurement of optical power when output power changes

Specifications

Optical Power Meter		
Wavelength Range	800~1700nm	
Connector	Universal joint	
Detector Type	InGaAs	
Power Test Range	-70~+10dBm	-50~+26dBm
Uncertainty	±5%	
Standard Wavelength	850/980/1270/1300/1310/1490/1550/1577/1625/1650nm	
Display Resolution	Linear display: 0.1%, Logarithmic display: 0.01dBm	
Recognizable Frequency	270Hz、300Hz、1kHz、2kHz	
VFL (Optional)		
Wavelength	650nm±30nm	
Output Power	1mw/10mw/20mw/30mw/50mw	
Mode	CW/1Hz/2Hz	
Connector	Universal joint	
RJ45 Cable Sequence (standard), Cable Tracking (Optional)		
Test Distance	300m	
Others		
Power Supply	2 AAA Batteries/ Lithium Battery, 3.7V/700mAh(Optional)	
Port	Micro USB	
Battery Duration	≥120h (OPM)	
Automatic Shutdown Time	10min	
Working Temperature	-10℃~+50℃	
Storage Temperature	-40℃~+70℃	
Relative Humidity	0~95% No condensation	
Dimension	120*70.5*27.5mm	
Weight	130g	

5. SUR520 Optical Power Meter (VFL Optional)

- ◇ Optical Power Meter / VFL (Optional)
- ◇ Measurement range: -70~+10dBm or -50~+26dBm
- ◇ Calibrated Wavelength：850nm、1300nm、1310nm、1490nm、1550nm、1625nm
- ◇ Stable VFL Output (Optional)
- ◇ High Accuracy, high ,High sensitivity, high linearity
- ◇ AAA batteries, small dimensions which is more convenient to carry



Optical Power Meter



Optical Power Meter & VFL

Specifications

Optical Power Meter		
Measurement range dBm	-70～+10 dBm	-50～+26 dBm
Wavelength range（nm）	800～1650	
Calibrated wavelength	850nm、1300nm、1310nm、1490nm、1550nm、1625nm	
Detector	Inga As	
Accuracy	<±3% （-10dBm、22℃）	
Resolution	Linearity：0.1%，Non-linearity：0.01dBm	
Working temperature	-10℃～+50℃	
Storage temperature	-20℃～+70℃	
Relative humidity	90%（＋30℃），	
Connector	Two types:FC/PC connector; Changeable FC/PC SC/PC(ST and LC as Optional)	
VFL (Optional)		
Wavelength	650nm±30nm	
Output Power	1mw/10mw/20mw/30mw	
Connector	Universal joint	
Other		
Power supply	3pcs AAA batteries	
DC power supply	Optional accessory which require special order	
	Support wide range power input work (AC 90-240)	
Working hours	>120 hours（without backlight）	
Weight(g)	160g	
Dimension(mm)	130×63×29	

6. SUR233 Optical Power Meter (VFL Optional)



Optical Power Meter



Optical Power Meter & VFL

Specifications

Wavelength range	800nm~1700nm	
Optical Connector	FC/SC/ST	
Detector type	InGaAs	
Measurement range	-70dBm~+10dBm	-50dBm~+26dBm
Accuracy	±5%	
Standard wavelength	850 980 1300 1310 1490 1550 1625nm	
Display resolution	mW：0.1%　dBm：0.01dBm	
650nm VFL **(Optional)**	2mw/5mw/10mw/20mw/30mw/50mw	
Laser source **(Optional)**	850/1300/1310/1490/1550/1625/1650nm	
Laser sourcestability	0.02dB	
Working temperature	-10~+60℃	
Storage temperature	-30~+70℃	
Auto off time	10 min	
Battery continuous operating time	≥120 h	
Structuresize	186mm*100mm*50mm	
Power	Three section 5 batteries/Lithium battery (optional)	
Instrument net weight	240g	

7. SUR203N Optical Power meter &VFL



- ◇ Self Calibration
- ◇ Self Auto Off
- ◇ High Accuracy, high ,High sensitivity, high linearity
- ◇ Stable VFL Output
- ◇ Set the REF Value
- ◇ Real-time display of the power consumption
- ◇ Interchangeable connectors: FC/ SC
- ◇ Rubber Out shell, increased the protective properties for field work

Specifications

Range	Type A:-70～+10dBm	Type C:-50～+26dBm
Wavelength	800～1700nm	
Calibrated Wavelength	850/1300/1310/1490/1550/1625nm	
Detector	InGaAs	
Accuracy	<±3% （-10dBm/22℃）	
Resolution	0.01dBm	
Working Temperature ℃	-10～+50	
Storage Temperature ℃	-20～+70	
Humidity	90%（＋30℃）	
Connector	FC/SC(ST LC as optional)	
Power Supply	2pcs AA batteries	
Battery Life @ OPM	140hours	
Battery Life @ VFL	50hours	
Auto-off	10minutes	
Weight	180g	
Dimensions	158×82×29mm	
VFL	Wave: 650nm	
	Output Power: 1/10/20/30/50mw	

8. SUR263N Optical Power Meter & VFL (RJ45 Optional)



Optical Power Meter & VFL





Optical Power Meter & VFL&
RJ45 Network Test

- ◇ Accurately test whether a single network cable transmits signals normally
- ◇ Self Calibration
- ◇ Set the Auto Off
- ◇ Wavelength Memory function after turn off the tester
- ◇ Stable VFL Output
- ◇ USB Charge port
- ◇ FC,SC Connector
- ◇ 18650Li-ion Battery
- ◇ Lower power consumption design, long standby time
- ◇ Rubber Out shell, increased the protective properties for field work
- ◇ **RJ45 Network Test function (Optional)**

Specifications

Optical Power Meter	
Detector Type	InGaAs
Optical Connector	SC/FC & 2.5mm Universal
Calibrated Wavelengths	850,1300,1310,1490,1550,1625nm
Measurement Range	+10 ~ -70 dBm
Accuracy	±0.2 dB
Power Measurement Linearity	±0.1 dB
Display Resolution	±0.01 dB
Power Display Units	dBm, mW, uW
Visual Fault Locator	
Output power	1mw/10MW/20mw/30mw
Range	12-km@SM
Connector	2.5mm Universal
Laser safety rating	Class 2
Wavelength	650nm±20nm
Output modes	Continuous (CW),2 Hz pulsed
Reverse battery protection	Yes
Others	
Power Supply	18650 Li-con battery
Auto Off	10 minutes
Working time	>200hours(only OPM Work) ≥50hours(10mWVFL & OPM Work meanwhile)
Working Temperature	-10~+45
Weight	250g
Dimensions	160*75*10mm

9. SUR263N-10G Optical Power Meter & VFL



◇ 10GPON optical power and conventional optical power in one, the working mode is optional

◇ Self Calibration

◇ Set the Auto Off

◇ Wavelength Memory function after turn off the tester

◇ High Accuracy, high ,High sensitivity, high linearity

◇ RJ45 Cable sequence test function

◇ Stable VFL Output

◇ USB Charge port

◇ FC,SC Connector

◇ 18650Li-ion Battery

◇ Lower power consumption design, long standby time

◇ Replaceable ceramic sleeve for red light source

◇ Rubber Out shell, increased the protective properties for field work

10GPON Optical Power Meter		
Scope of application	10GEPON/XGPON	
Wavelengths(nm)	1490nm/1577nm	
Isolation	>35dB	
Measurement Range(dBm)	-40~ +10dBm	
Display Resolution(dBm)	0.01	
Display Units	mW/uW/nW/ dBm/dB	
Uncertainty(dB)	±0.5dB (2%) @25℃	
Optical Power Meter		
Measurement Range(dBm)	-70~ +10	-50~ +26
Detector Type	InGaAs	
Application	Single, multi - mode optical fiber	
Calibrated Wavelengths(nm)	850/980/1300/1310/1490/1550/1625nm	
Resolving Power(dBm)	0.01	
Display Units	mW/uW/nW/ dBm/dB	
Uncertainty(dB)	±0.25dB (2%) @25℃(±0.5 dB @850nm)	
VFL		
luminescent device	FP-LD	
Output Power	1mw/10mw/20mw/30mw(Optional)	
Wavelength(nm)	650	
Typical output optical power(mW)	>10	
Mode	CW/1Hz/2Hz	
Others		
Power Supply	18650 Li-con battery	
Automatic Shutdown Time	10min	
Continuous Working Time	>200 hours (Single optical power meter working) ≥ 50 hours (10mW VFL and OPM work at the same time)	
Connector	2.5mm Universal joint	
Working Temperature(℃)	-10~+45	
Storage Temperature(℃)	-20~+65	
Weight（g）	250(Battery included)	

10. SUR102N Optical Light Source



- ◇ Good stability in output power
- ◇ Optional auto-shutdown
- ◇ Large LCD display and backlight
- ◇ Battery power display
- ◇ AAA batteries which is more convenient to carry
- ◇ High measurement accuracy and display resolution
- ◇ Real-time monitoring and displaying the battery level, Warning notice is available when the battery is low.

Specifications

Type	SUR102N
Emitter Type	FP-LD
Wavelength（nm）	650、850、1300、1310、1490、1550、1625（1-3 wave）
Optical Connector	FC（SC/ST can be optional）
Output Power(dBm)	≥ 3m w @ 650nm; ≥ -7dBm @ 850/1300nm ≥ -7/0dBm @ 1310/1490/1550/1625nm
Output Stability(dB)	±0.04@20℃@15min
Modulation Frequencies	CW,2Hz@650nm;CW,270Hz,1KHz,2KHz@others
Fiber Type	SM、MM
Power Supply	AAA 1.5V(3pcs batteries)
working time(h)	40hours
Operating Temperature(℃)	-10～+50
Storage Temperature(℃)	-20～+70
Dimension(mm)	125*65*29mm
Weight(g)	160

11. SUR537 Mini Optical Power Meter



- ◇ Imported sensor head
- ◇ 2.5mm universal interface (support FC/SC/ST connectors)
- ◇ Low power consumption, continuous work more than 100 hours
- ◇ Linear optical power and logarithmic power display
- ◇ Automatic measuring range adjust and power remains indication
- ◇ Relative value measurement
- ◇ Compact and portable design

Specifications

Display Range	-70~+10dBm	-50~+26dBm
Resolution(dB)	0.01	
Calibrated Wavelength(nm)	850/1300/1310/1550/1490/1625	
Sensor Type	InGaAs	
Accuracy	0.35dB±1nW	0.35dB±10nW
Working Wavelength(nm)	800~1700	
Continuous Working Hours	About 80 hours(stand-by time: About 1600hours)	
Power Source	Operates with two AAA batteries	
Working Temp	-0~+40℃; <90% RH	
Storage Temp	-20~+70℃; <90% RH	
Accessory	2 pieces of AAA batteries, Quick guide, Packing box, Carrying case	
Dimension	L120mm*W33mm*h30mm/About70g	

12. SUR535 Visual Fault Locator (Rechargeable)



- ◇ 2.5mm universal connector
- ◇ 18650 Lithium battery 3.7V 2200mAh
- ◇ Interface drop-proof and dust-proof design
- ◇ Lighting LED
- ◇ Totally comply with the human engineering design. Small, portable and durable
- ◇ Integrated with continuous wave and 2Hz modulated wave output function

Specifications

VFL Wavelength	650nm±15nm
VFL Output Power	10/20/30/50mW
VFL Flashing Frequency	2Hz
Connector	2.5mm universal connector
LED	4LED（50mW）
Battery	18650 Lithium battery 3.7V 2200mAh
Mobile Power	Output 5V/1A
Packaging Size	37*39*147mm
Weight	165g

13. SUR191 Visual Fault Locator



Specifications

Type	SUR191-1	SUR191-10	SUR191-20	SUR191-30	SUR191-50
Wavelength	650nm ± 20nm				
Output Power	> 1mW	> 10mW	> 20mW	> 30mW	>50mW
Dynamic Distance	2~ 5 km	8~12km	12~15km	18~22km	22~30km
Mode	Continuous Wave (CW) and Pulsed				
Fiber Type	SM				
Connector	2.5mm				
Packaging Size	210*73*30				
Weight	150g				
Power Supply	AA * 2				
Operating Temperature	-10 -- +50 °C, < 90%RH				
Storage Temperature	20 -- +60 °C, < 90%RH				

14. SUR536 Pocket Visual Fault Locator



- ◇ Totally comply with the human engineering design. Small, portable and durable
- ◇ Standard multi-adaptor can be applied to connect with almost any adaptor type. Also provides interchangeable fiber adaptors of several common types
- ◇ Higher output laser power
- ◇ Integrated with continuous wave and 2Hz modulated wave output function

Model	SUR536-5	SUR536-10	SUR536-20	SUR536-30	SUR536-50
Laser Launcher Level①	CLASS IIIA	CLASS IIIB	CLASS IIIB	CLASS IIIB	CLASS IIIB
Output Power②	≥5mW	≥10mW	≥20mW	≥30mW	≥50mW
Detecting Range③	About 5km	About 12km	About 14km	About 20km	About30km
CW Mode Battery Life ④	13 hours	6 hours	5 hours	3 hours	3 hours
2Hz Mode Battery Life④	23 hours	12 hours	10 hours	6 hours	3 hours
Laser Launcher Type	LD				
Optical Connector	universal 2.5mm adapter (FC/SC/ST)				
Output Wavelength	650nm±10nm				
Modulation Frequency	CW / 2Hz				
Power	2*AAA dry batteries				
Working Temperature	-10℃~+50℃; <90%RH				
Storage Temperature	-20℃~+70℃; <90%RH				
Standard Accessories:2*AAA batteries, carrying bag, user manual					
Optional Accessories: Male FC to female LC adapter for LC connector					

15. SUR-OFI-401L Optical Fiber Identifier



Specifications

Wave respond	800nm-1700nm
Pass through insertion loss：	
(1)250umOptical fiber	1.0dB
(2)900umOptical fiber	1.0dB
(3)3mmOptical fiber	2.0dB
Application of optical fiber	250um/900um/2.5um/3mm Optical fiber
Identified Signal Type	270HZ/1KHZ/2KHZ
Identification of modulated signals	Yes
Power Measurement	Yes
Display	LED segment
Tone	Yes
Low power monitoring	Yes
Detector type	1mm InGaAs
Minimum detection power	
Test conditions:	1550
(1)250umOptical fiber	-35dBm
(2)900umOptical fiber	-35dBm
(3)3mmOptical fiber	-30dBm
Test conditions:	1310
(1)250umOptical fiber	-30dBm
(2)900umOptical fiber	-30dBm
(3)3mmOptical fiber	-25dBm
Specifications of VFL (Optional)	
Wavelength	650nm±10nm
Output Power	10 mW
Fiber Port	FC/PC
Power supply	2*AA 1.5V Alkaline Battery
Operation Temperature	-10℃ to +50℃
Storage Temperature	-20℃ to +70℃
Outline size	230*43*36mm
weight	200g

16. SUR501 Optical Fiber Identifier



- ◇ Metal gripper
- ◇ No need to change the adaptor
- ◇ Build in VFL function
- ◇ Build in OPM function
- ◇ Display the relative core power
- ◇ Indicate the signal directions and power in fiber
- ◇ Indicate live or dark fiber
- ◇ Efficiently identifies the traffic direction and frequency tone
- ◇ Detect 270Hz, 1kHz, 2kHz from laser source
- ◇ Lower power indication

Specifications

Optical Fiber Identifier	
Wavelength	800nm-1700nm
Pass through insertion loss	250um / 900um optical fiber: 1.0dB
	2.0 / 3.0 optical fiber: 1.5dB
Application of optical fiber	250um/900um/2mm/3mm optical fiber
Identified Signal Type	270Hz/1KHz/2KHz
Identification of modulated signals	Yes
Power Measurement	Yes
Display	LED color screen
Tone	Yes
Low power monitoring	Yes
Detector type	InGaAs
Optical Power Meter	
Wavelength	800nm-1700nm
Calibration certificate	850/1300/1310/1490/1550/1625nm
Measurement range	-70~+10dBm or -50~+26dBm
Connector type	2.5 universal connector
Visual Fault Location	
Wavelength	650nm±10nm
Output Power	10mW
Fiber Port	2.5 universal connector
Other	
Power supply	2*AA 1.5V Alkaline Battery
Operation Temperature	-20℃~+60℃
Storage Temperature	-30℃~+70℃
Outline size	220*38*28mm
Weight	145g

17. SUR301 Optical Fiber Identifier



◇ Digital display of relative optical power in the fiber

◇ Portable style, can distinguish the direction and frequency of light without interrupting the fiber

◇ Adopt "one-touch" operation mode to make operation simple and convenient

◇ Provide corresponding adapter head for bare fiber and multiple pigtails

◇ Can identify 3 commonly used signal frequencies, namely 2KHz, 1KHz, 270Hz

Specifications

Wavelength recognition range	800-1700nm
Identification signal type	CW, 270HZ±5%, 1KHZ±5%, 2KHZ±5%
Probe Model	Ø1 InGaAa 2pcs
Adapter type (mm)	H 0.9/0.25 for bare fiber H 2.0/3.0 for pigtail
Signal direction	left and right LED indication
Relative optical power value	digital display
Optical signal frequency	270HZ, 1KHZ, 2KHZ LED indicator display
Working temperature (°C)	-10~+60
Storage temperature (°C)	-25~+70
Battery	9V (airmail not include)

18. SUR280 Cable Fault Locator

◇ DAGC (Digital Gain Automatic Control) system: The gain can be modified digitally.
Eliminate the waveform distortion caused by the potntiometer knob. It can also do pure linear adjustment, which is convenient for manual testing.

◇ Digital waveform automatic recognition technology: automatically recognize the waveform that are difficult for human to determine.

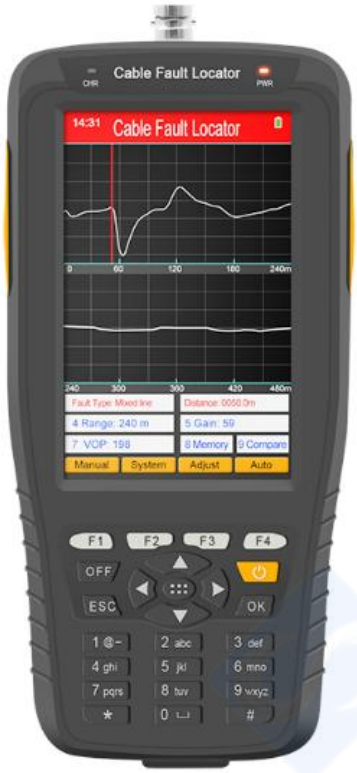
◇ Using ARM CPU with FPGA technology, can quickly perform various complex operations and determine fault waveform accurately.

◇ Waveform comparison function, it is convenient to compare the test waveform of the fault cable and the normal cable, and clearly find the fault point location.

◇ Large-screen LCD color display, humanization design of the interface menu, fast digital press button, easy for users to operate.

◇ High-power lithium battery, which can be used for up to ten hours (with specialized power charger).

◇ With data interface to support customers upgrade the system remotely.



Specifications

Max measurement range (Manual)	8KM
Max measurement range (Auto)	4km
Pulse width	30ns ~ 50us
Pulse amplitude	0 ~ 30V
Max resolution	0.5m
Dead zone	0m
LCD	480 * 800 color screen
Battery	4400mAH lithium-ion battery
Power Consumption	1W
Weight	0.4kg
Dimensions	190*84*52mm
Working temperature	-15℃ ~ ＋45℃
Storage temperature	-20℃ ~ ＋55℃

19. SUR -991 Cable Fault Locator (High Anti-interference)



Specifications

Measurement range	8km
Testing blind point	＜10m
Test resolution	0.5m
Pulse Width	96ns-10 μ s automatic adjustment
Test method	Automatic and Manual
Leakage, path location	
Leakage fault	Leakage insulation resistance range 0-0.5MΩ
Testing accuracy	≤ ± 1m
Cable depth	> 3 m
Detection range	8000m
Path accuracy	＜0.2m
Signal generator (true color display)	
Signal output	512Hz/1KHz adjustable
Multimeter function	AC and DC voltage, insulation resistance, cable loop resistance
Dimension	220*160*90（W*D*H，mm）
Weight	2kg

20. 15KV High Voltage Signal Generator



Specifications

Output voltage	0--15kV, DC negative polarity
Built-in capacitance	5uF
Working mode	Direct current pulse
Discharge cycle	The discharge period is adjusted by the size of the ball clearance
Impact energy	500W
Working power supply	AC single-phase 220V10%, frequency 50Hz1Hz
Altitude	Below 4000m
Ambient temperature	0-50℃
Relative humidity	no more than 70% (40℃)
Dimension	380*200*230（W*D*H,mm）
Weight	8kg

21. T-960 Cable Fault Pin Point Locator



Specifications

Fault location accuracy	≤0.2m
Power consumption	0.6W
Ambient temperature	-25℃~+50℃
Electromagnetic channel gain	>110dB
Electromagnetic channel receiver sensitivity	<5uV
Sound channel audio amplifier gain signal	<120dB

22. SUR5870 Digital TV Field Intensity Meter



- ◇ Frequency range: 5-870MHz
- ◇ Spectral analysis. Constellation map analysis
- ◇ Support : dvb-c digital cable TV average power signal strength measurement
- ◇ MER, BER measurement
- ◇ Bit error rate measurement
- ◇ Full channel scanning
- ◇ Tilt observations of 8 channels
- ◇ V /A measurement
- ◇ C/N measurement, signal greater than 70dB
- ◇ Ac voltage measurement

Specifications

DVB-C	
Range	5-870MHZ
Modulation Type	DVB-C/ITU-T J.83-Annex A
Modulation Type	16/32/64/128/256 QAM
Rower level	30dBμV～110dBμV
Accuracy	±2dB
L band width	users can set their own
Symbol rate	1MS/S～8MS/S
MER	18dB～39dB
MERAccuracy	±2dB
BER	R—S 10-3～10-9
Resolution	10KHZ ≤30ppm
Analog CATV	
Range	5-870MHZ
Rower level	20dBμV～120dBμV
Accuracy	±1.5dB
Impedance	75Ω
TILT RANGE	0~100V(AD/DC)
Accuracy	±2V

23. SUR981 Series Digital TV Field Strength Meter



- ◇ 46~ 870MHz forward or return path CATV system measurement
- ◇ Support DVB-C digital CATV Average power Signal Strength Measurements
- ◇ Tilt measurement
- ◇ V/A measurement
- ◇ C/N measurement
- ◇ AC voltage measurement

Specifications

DVB-CDVB-C	
Range	46MHz～870MHz
Modulation Type	DVB-C/ITU-T J.83-Annex A
Modulation Type	16/32/64/128/256 QAM
Rower level	30dBμV～110dBμV
Accuracy	±2dB
L band width	users can set their own
Resolution	10KHZ ≤30ppm
Analog CATV	
Range	46MHz～870MHz
Rower level	20dBμV～120dBμV
Accuracy	±1.5dB
Impedance	75Ω
TILT RANGE	0~100V(AD/DC) Accuracy：±2V
Other	
Weight	0.32KG
Battery	7.2V 1600mAH rechargeable Lithiun-Ion
AC	90～240V 50/60Hz
charge Time	3-4hours
Working Time	>6hours

24. SUR982 Series Digital TV Field Strength Meter

◇ 46~ 870MHz forward or return path CATV system measurement
◇ Support DVB-C digital CATV Average power Signal Strength Measurements
◇ MER Measurements
◇ BER Measurements
◇ Tilt measurement
◇ V/A measurement
◇ C/N measurement
◇ AC voltage measurement
◇ Support Qpsk / COFDM Average power Signal Strength Measurement



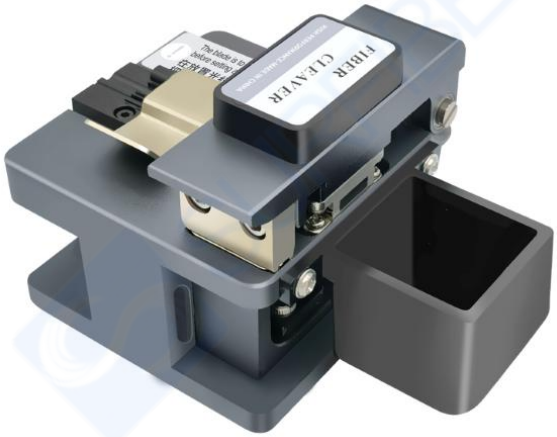
Specifications

DVB-C	
Range	46MHz～870MHz
Modulation Type	DVB-C/ITU-T J.83-Annex A
Modulation Type	16/32/64/128/256 QAM
Rower level	30dBμV～110dBμV
Accuracy	±2dB
L band width	users can set their own
Symbol rate	1MS/S～8MS/S
MER	22dB～40dB
MERAccuracy	±2dB
BER	R—S 前 10-4～10-8
Resolution	10KHZ ≤30ppm
Analog CATV	
Range	46MHz～870MHz
Rower level	20dBμV～120dBμV
Accuracy	±1.5dB
Impedance	75Ω
TILT RANGE	0~100V(AD/DC) Accuracy：±2V
Other	
Weight	0.32KG
Battery	7.2V 1600mAH rechargeable Lithiun-Ion
AC	90～240V 50/60Hz
charge Time	3-4hours
Working Time	>6hours



Fiber Cleaver T28

- Product name: Fiber Cleaver
- Application: Fiber cable cutter
- Fiber count: Single fiber
- Fiber type: 0.25/0.9/3.0mm
- Balde Life: 48000 times cut
- Cutting angle: ≤0.5°



Fiber Cleaver SUR-20

- The average cleave angle: 0.6 degrees
- Blade life: ≥48000
- Fiber cladding diameter: 125μm
- Adapt to fiber types: ϕ0.25/ϕ0.9/ϕ3.0mm
- Applicable fibers: Single core fiber



Fiber Cleaver 6T

- Applicable fibers: Single core fiber
- Bare fiber diameter: 125um
- Adapt to fiber types: ϕ0.25/ϕ0.9/ϕ3.0mm
- Typical Cleave Angle: 0.6 Degrees
- Blade Life Time: 48,000 cleaves

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Fiber Cleaver

- Blade end face: 16 face
- The average cleave angle: 0.5 degrees
- Optical fiber cladding diameter: 125μm
- Coated outer diameter: 0.25&0.9mm



Fiber Cleaver

- The average cleave angle: 0.8degrees
- Blade life: ≥48000
- Fiber cladding diameter: 125μm
- Coated outer diameter: 0.25&0.9mm
- Applicable fibers: Single core fiber



Fiber Cleaver SUR-27

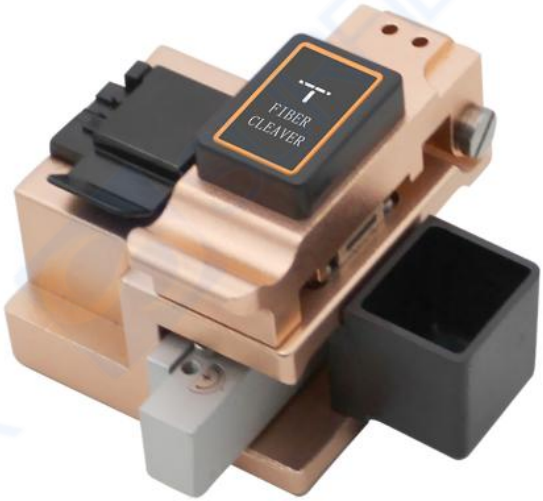
- The average cleave angle: 0.5 degrees
- Blade life: ≥48000
- Fiber cladding diameter: 125μm
- Coated outer diameter: 0.25&0.9mm
- Singlemode Use

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Fiber Cleaver SUR-100

- Applicable fibers: Silica optical fiber
- Bare fiber diameter: 125um
- Coating diameters: 250um,900um
- Cleaving angle: 0.5 degrees with single fiber
- Blade life: 36,000 fibers



Fiber Cleaver SUR -100G

- Adapt to single-core silica optical fiber
- Small size, light weight, easy disassembly
- Typical Cleave Angle: <0.5 Degrees
- Apply for Single Fiber,FTTH wire cable
- Color: Golden



Fiber Cleaver SUR -100H

- Adapt to single-core silica optical fiber
- Small size, light weight, easy disassembly
- Typical Cleave Angle: <0.5 Degrees
- Apply for Single Fiber,FTTH wire cable
- Color: Black

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Fiber Optic Stripper CFS-3

- Strips the 1.6- 3.0mm fiber jacket down to the 600- 900 micron buffer coating.
- Strips the 600- 900 micron buffer coating down to the 250 micron coating.
- Strips the 250 micron cable down to the glass fiber without nicks or scratches.



Mid Span Cable Slitter 4-11mm

- 5 precision slitting grooves are designed for cables ranging in sizes from 4 mm to 11 mm.
- Clear indicator line shows the position of the blade for accurate slitting.



Mid Span Cable Slitter 1.5-3.8mm

- 5 precision slitting grooves are designed for cables ranging in sizes from 1.5 mm to 3.8 mm.
- Clear indicator line shows the position of the blade for accurate slitting.



Flange Clip Line Pliers

- Easily plug and insert flangeheads such as SC and LC, and quickly without hurting hands
- Compared with manual pulling and insertingit is more accurate and fasterimprove work efficiency

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Cable Jacket Slitter

- Optical fiber loose tube size: 1.5-1.9mm; 2.0-2.4mm; 2.5-2.9mm; 3.0-3.3mm.
- Light weight, small volume, easy to operate.

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Loose Tube Longitudinal Cutter

- Optical fiber loose tube size: 1.5-1.9mm; 2.0-2.4mm; 2.5-2.9mm; 3.0-3.3mm.
- Light weight, small volume, easy to operate.



Loose Tube Longitudinal Cutter

- Optical fiber loose tube size: 4.5mm; 6mm; 7mm; 8mm; 11mm.
- Light weight, small volume, easy to operate.



Kevlar scissors

- Material: High-carbon steel
- Use: Optical fiber jumper manufacturing



Kevlar scissors

- Blades made of high carbon alloy steel
- Serrated Blade for Gripping Materials
- Handles made of Nylon



Armored Fiber Cable Slitter

- Model: ACS
- Suit for cable diameter: 8-28mm
- Made in China



Armored Fiber Cable Slitter

- Model: ACS-2
- Suit for cable diameter: 4-10mm
- Made in China



Fiber Optic Stripper CFS-2

- Used for stripping 125um,250um optical fiber coating layer
- At the top of the 1.98 mm hole can be used for stripping the tail fiber outer sheath

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Fiber Optic Stripper CFS-3

- 2-3mm; 900um-250um; 250um-125um
- Ensure a clean, smooth operation.
- When not in use, the blade lock in the closed position.



SI-01 Longitudinal Cable Sheath Slitter

- The cutter head selection of quality materials, cut the cable sheath more labor-saving
- Cutter depth adjustable, can deal with different thickness of the optical cable sheath layer
- Perfect tool for cutting jackets from a variety of fiber optic cable

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Horizontal Cable Cutter

- Stripping range: 4-28mm
- Alloy material, sturdy and durable
- Sharp blade, neat cut



Fiber Optic Drop Cable Stripper

- Universal Stripper for 3.1x2.0mm FTTH drop cables with steel wire or FRP strength member.
- PVC non-slip handle.



Horizontal and vertical cable cutter

- Adopts a new type notch-wheel to strengthen the grip and avoid a skid while stripping the cable
- Has a crosswise stripping function
- The new handle has a better feel



KMS-K optical fiber cable sheath cutter

- Impact resistant plastic material
- Safe and simple handling
- Adjustable slitting depth
- Double bladed knife made from hardened special steel

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Fiber Cleaver Blade FCP-20BL

- Applications: Sumitomo FCP-22/FCP-25/FC-6S/ FC-6M/FC-6S (SE)/FCH-3/FCH-9/FCH-12 etc fiber cleaver
- Blade Positions：24
- Original Sumitomo



Fiber Cleaver Blade CB-16

- Applications: CT-30,CT -30A,CT-30B,CT-32, CT-38,CT-20,CT-20-11,CT-20-12 etc fiber cleaver
- Blade Positions：16
- Original Fujikura



Fiber Cleaver Blade CT-06

- Applications: CT-06,CT-06A,CT-06C,CT-05A etc fiber cleaver
- Blade Positions：16



Fiber Cleaver Blade B77

- Applications: INNO VF-15/15H, VF-77, VF-78 and V7/V8 Fiber cleaver
- Blade Positions：16

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Fiber Cleaver Blade CB-07

- Applications: CT-08 Fiber cleaver
- Original Fujikura



Fiber Cleaver Blade CB-08

- Applications: CT-50 Fiber cleaver
- Original Fujikura



Fiber Cleaver Blade CB-07

- Applications: CT-08 Fiber cleaver
- Made in China



Fiber Cleaver Blade CB-08

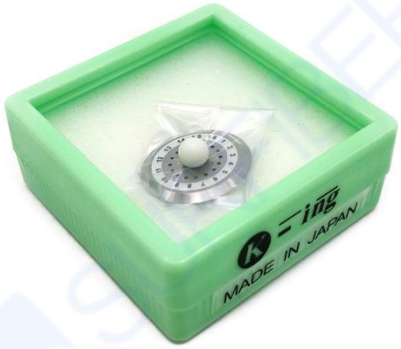
- Applications: CT-50 Fiber cleaver
- Made in China

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Fiber Cleaver Blade FC6S

- Applications: FC-6S Fiber Cleaver
- Blade Positions： 23
- Made in China



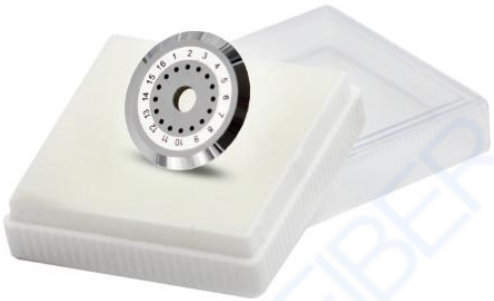
Fiber Cleaver Blade

- Applications: Fujikura CT-30 20 10, INNO IFS-15 VF-15 V7, JILONG, DC-09, DVP etc fiber cleaver
- Blade Positions： 16



Fiber Cleaver Blade FCP-20BL

- Applications: Sumitomo FCP-22/FCP-25/FC-6S/ FC-6M/FC-6S (SE)/FCH-3/FCH-9/FCH-12 etc fiber cleaver
- Blade Positions： 24
- Made in China



Fiber Cleaver Blade CT30

- Applications: CT-30,CT -30A,CT-20 etc fiber cleaver
- Blade Positions： 16
- Made in China

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Fiber Cleaver Blade CT06

- Applications: CT-06,CT-06A,CT-06C,CT-05A etc fiber cleaver
- Blade Positions：16
- Made in China



Fiber Cleaver Blade CB-16

- Applications: CT-30,CT -30A,CT-30B,CT-20, CT-20-11,CT-20-12 etc fiber cleaver
- Blade Positions：16
- Made in China



Fiber Cleaver Blade

- Applications: FC-6S,0709,RY-6S etc fiber cleaver
- Blade Positions：12



Fiber Cleaver Blade

- Applications: etc fiber cleaver
- Blade Positions: 14

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Fiber Cleaver Blade S325

- Applications: Furukawa S321, S321B, S323, S323A, S323B, S324, S324A, S324B, S325, S325A, S326 etc fiber cleaver
- Blade Positions：24



Fiber Cleaver Blade

- Applications: Fujikura CT-30 20 10, INNO IFS-15 VF-15 V7, JILONG, DC-09, DVP etc fiber cleaver
- Blade Positions：16



Fiber Cleaver Blade

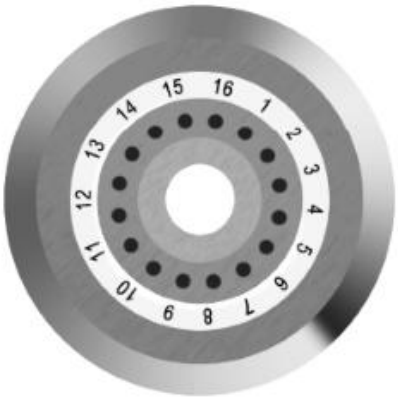
- Applications: ALK-66B ,AV33012 etc fiber cleaver
- Blade Positions：16



Fiber Cleaver Blade

- Applications: AV33012,Furukawa FB1688 etc fiber cleaver
- Blade Positions：14

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Fiber Cleaver Blade

- Applications: Fujikura CT-30 etc fiber cleaver
- Blade Positions：16



Fiber Cleaver Blade

- Applications: JILONG KL-21F,DVP, etc fiber cleaver
- Blade Positions：16



Fiber Cleaver Blade CB-07

- Applications:　CT-08 Fiber cleaver
- Made in China



Fiber Cleaver Blade CB-08

- Applications:　CT-50 Fiber cleaver
- Made in China

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Fusion Splicer Electrode ER-10

- Applications: Sumitomo T39, T66, 81C, T-400S, T-600C etc fusion splicer
- Original Sumitomo



Fusion Splicer Electrode 60S

- Applications: Fujikura 60S 61S 62S 80S etc fusion splicer
- Original Fujikura or Made in China



Fusion Splicer Electrode 11S

- Applications: Fujikura 11S 12S 21S 22S etc fusion splicer
- Original Fujikura or Made in China



Fusion Splicer Electrode 37S

- Applications: Fujikura FSM-27S 28S 37S etc fusion splicer
- Original Fujikura or Made in China

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Fusion Splicer Electrode

- Applications: INNO IFS-10/ IFS-15/ IFS-15H/ IFS-15F/ View3/ View5/ View7 etc fusion splicer
- Original INNO
- Package :1 pair



Fusion Splicer Electrode AI-7

- Applications: AI-7, AI-8, AI-8C, AI-9 etc fusion splicer
- Electrode Life time about 4000 times
- Package :1 pair



Fusion Splicer Electrode 179

- Applications: Fitel S179 fusion splicer
- Package :1 pair
- Made in China



Fusion Splicer Electrode ALK80

- Applications: ALK80/88A/99 etc fusion splicer
- Electrode Life time about 4000 times
- Package :1 pair

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Fusion Splicer Electrode CE-03

- Applications: C6/C8/C9/C10 etc fusion splicer
- Original COMWAY



Fusion Splicer Electrode

- Applications: C6/C8/C9/C10 etc fusion splicer
- With activation code
- Original COMWAY



Fusion Splicer Electrode RY-600P

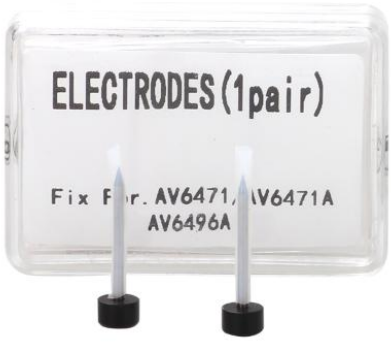
- Applications: RY-600P RY-F600P RY-F600H fusion splicer
- Package :1 pair



Fusion Splicer Electrode X4

- Applications: X4 X5 X5S X6 H5 fusion splicer
- Package :1 pair

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Fusion Splicer Electrode AV6471

- Applications: AV6471,AV6471A,AV6496A fusion splicer
- Package :1 pair



Fusion Splicer Electrode KL-500

- Applications: JILONG KL-500 KL-520 fusion splicer
- Package :1 pair



Fusion Splicer Electrode KL-360

- Applications: JILONG KL-360 fusion splicer
- Package :1 pair



Fusion Splicer Electrode KL-280

- Applications: JILONG KL-280 KL-300 fusion splicer
- Package :1 pair



Fusion Splicer Electrode KL-500

- Applications: JILONG KL-500 KL-520 fusion splicer
- Package :1 pair



Fusion Splicer Electrode S178

- Applications: Fitel S178 S153 S123 fusion splicer
- Made in China



Fusion Splicer Electrode S969

- Applications: Fitel S178 S153 S123 fusion splicer
- Original Fitel



Fusion Splicer Electrode ELR-01

- Applications: Fitel S179 fusion splicer
- Original Fitel

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Fusion Splicer Electrode S960

- Applications: Fitel S175 S176 S177 fusion splicer
- Package :1 pair



Fusion Splicer Electrode FL-118

- Applications: FL-116 FL-117 FL-118 fusion splicer
- Package :1 pair



Fusion Splicer Electrode

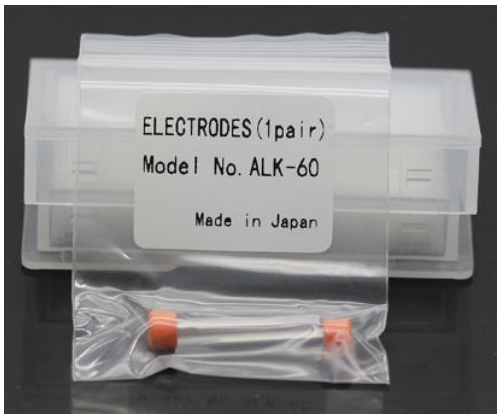
- Applications: BY-80 BY-88A BY-A99 BY-A66 BY-A6 fusion splicer
- Package :1 pair



Fusion Splicer Electrode T201

- Applications: SUMITOMO T-201E T-201 fusion splicer
- Package :1 pair

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Fusion Splicer Electrode

- Applications: ALK-60 fusion splicer
- Package :1 pair



Fusion Splicer Electrode ALK-80

- Applications: ALK-80/88A/99 fusion splicer
- Package :1 pair



Fusion Splicer Electrode EI-21

- Applications: ILSINTECH S3 S5 KF4 K3 K7 K11 fusion splicer
- Package :1 pair



Fusion Splicer Electrode TYPE-201

- Applications: TYPE-100/Se TYPE-201 /201e fusion splicer
- Package :1 pair

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FTTH Tool Kit (18)



Product list

No.	Qty	Item
1	1 pc	Carrying Bag
2	1 pc	Power Meter:-70~+10dBm
3	1 pc	Fiber Cleaver
4	1 pc	Visual Fault Locator
5	1 pc	Fiber Stripper for Drop Cable
6	1 pc	Fiber Stripper CFS-2
7	1 pc	Optical Fiber Length Fixer
8	1 pc	Alcohol Pump Bottle

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FTTH Tool Kit (19)



Product list

No.	Qty	Item
1	1 PC	Power Meter:-70~+10dBm
2	1 PC	Alcohol Pump Bottle
3	1 PC	Visual Fault Locator
4	1 PC	FC-6S Fiber Cleaver
5	1 PC	FTTH Drop Cable Stripper
6	1 PC	Fiber Stripper CFS-2
7	1 PC	Optical Fiber Length Fixer
8	1 PC	Carrying Bag

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OTDR Launch Cable Box



◇Pulse Suppressor, Launch Box, Delay Line, Installation/Testing, Training, Calibration
◇Compound Latch for positive seal and easy opening with locking feature.
◇Water and dust prove allowing the unit to be taken into almost any environment
◇Case can house up to 2,000 meters of fiber
◇Auto Purge Valve for changes in altitude and temperature

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