Optical Fiber Fusion Splicer

KIM-A4 German Standard

Features

- Optical Fiber Magnification Times:X/Y:200times,X or Y:400 times
- Average using Splice Loss SM≤0.03dB, MM≤0.02dB
- 5200mAh Lithium battery, work more than 230 times
- 5 inch color screen resistance of high strength impact

Specification

Type	Description
Applicable Optical Fiber Types	SM(Single mode), MM(Multi-mode), DS(Dispersion shift), NZDS(Non zero dispersion shift)
Applicable Optical Fiber Core Number	Single core
Applicable Optical Fiber Diameter	Cladding diameter: 80-150µm, Coating diameter: 100~1000µm
Fusion Splice Model	Prestore:40 groups, User define: 80 groups
Average Splice Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS), 0.04db(BIF/UBIF)
Echo Loss	Better than 60dB
Splicing Time	9sec
Loss Estimation	Exist
Tension Test	2N
Monitor	5 inches colorized LCD, Support in both Chinese and English, Spanish, Russian,French, Portuguese and other display
Magnification Times	X/Y:200times, X or Y:400 times
Power Supply	5200mAh Lithium battery, 13.5V/5A power adapter
Battery	Typically work more than 230 times(Fusion splicing/Heating/Hot stripping), Single battery charge 3Hour, can be recycled 500 times
Splice Results Storage	10000 groups of the latest records
Data Interface	USB2.0
Operating Environment Storage Environment	Relative humidity:0~95%, Temperature:-40°C~80°C (Except Battery),Temperature:-10°C~40°C (Battery)
Weight	1.56kg(Without Battery), 1.81kg(With Battery)
Dimension	158D×138W×138H(mm)
High altitude operation	Cornering, machines can be directly hung on the operators neck normal operation
Environment monitor	Prompt automatically user to do calibration and arc correction when monitoring change of temperature, humidity and altitude
More fixture options	Rubber-insulated fiber, bare fiber, round fiber and butterfly fiber can use both single and mufti-function fixture
Safety protection	Electric system protection scheme: lithium battery is proof of fire, explosion and high temperature; circuit board is proof of over current and over voltage
Quality record	Fiber angle, perpendicularity and the angle between two fibers can be checked in the splicing record
Enforce Splicing	Enforce Splicing is available for user's need
Lighting in the night	Two LED white light
ARC Correction	Manual button/Automatically correction, two options available
Splicing Picture	Storage 10 pieces pictures

Fiber Optic Splice Accessories

Fho3000 Series otdr

Model : W-FHO3000 OTDR

Features

- Hand-held and portable
- High cost performance
- 5-inch HD touch screen
- Simple interface & one-button testing
- Long working hours
- Support multi-languages

Applications

- CATV network testing
- Access network testing
- LAN/WAN network testing
- Metro network testing
- Lab and Factory testing
- Real-time troubleshooting

Specification

Type	Description
Display	5 inch TFT-LCD (touch screen)
Battery	7.4V/3300mAh lithium battery (with air traffic certification) Continuously test: 6 hours (back light off) Charging time: 3.5 hours
Data Storage	40,000 groups of curves
Interface	3xUSB port (USB A Typex2, Micro-USBx1)
Working Temp	-10 ˚C~+50 ˚C
Storage Temp	-20 ˚C~+70 ˚C
Humidity	≤95% (non-condensation)
Dimension(mm)	195x141x44
Accessories	Main unit, 12V power adapter, Lithium battery, FC adapter, USB cord, User guide, CD disk, carrying case, wrist belt

PON-Optimized

FlexTester

Model : W-FLX380

Features

- H-Standard OTDR, live PON OTDR, PON power meter - from one port
- 41/38/38/37 dB dynamic range @ 1310/1490/1550/1625 nm
- 0.8/3.5 m event/attvenuation dead zone, 40 m PON dead zone
- ServiceSafe live PON detection - prevents OTDR from disrupting service on live PON, while allowing 1625 nm out-of-band OTDR test
- Easy to use Full Auto, Expert, PON and Real Time OTDR modes
- OLS/OPM with Wave ID - reduces test time by 80% and eliminates setup errors
- Rugged, hand-held and lightweight (<1 kg)
- High-contrast display: clear and bright, even in direct sunlight
- >12-hour operation, fast charge, Li-Ion battery
- Instant On; Ready to test in <5 sec
- Certify new FTTx PON or point-to-point fi ber installations including splice, splitter and connector loss and refl ectance, end-to-end length, loss and ORL
- Troubleshoot live FTTx PONs including automatic live PON detection, PON power measurements at ONT and live PON
- OTDR testing using out-of-band 1625 nm
- Complete multi-wavelength end-to-end loss tests faster and eliminate setup errors using AFL's Wave ID loss test feature tones) using the integrated Optical Laser Source
- Visibly trace fibers or locate fiber bends or breaks using the integrated Visual Fault Locator (VFL) visible red laser

Series Mini
Visual Laser Source

Features

Model : W-VLS-8

VLS-8 Series Mini Visual Laser Source totally complies with the humanengineering. It's small in size, easy to operate, portable and integrated with a launching indicator. A Visual Laser Source is usually used to inspect the damaged or broken point of a optical fiber, cable, patchcord and etc. If the inspected fiber does have a defect, user could find the visual laser at the broken or damaged point. VLS-8 Series Mini Visual Laser Source is suitable for both single mode and multimode fibers. The performance of the visual laser source will act a little different on different fiber coat and color.

- 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, max 15km detecting range
- Integrated with continuous wave and 2Hz modulated wave output function

Series Mini
Optical Power Meter

Model : W-FHP12

Features

FHP12 Series Mini Optical Power Meter has compact structure and stable performance and ensures high measuring precision of 850nm, 1300nnm,1310nm, 1490nm, 1550nm and 1625nm wavelengths. Used together with Optical Laser Source, it could accurately measure the loss of bier, cable and other passive optical devices.

- 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

PON

Optical Power Meter

Features

Model : W-FHP-2P01

- Handed-held, easy-to-carry and use
- P/F testing and normal testing mode
- Two testing ports with "ONU" & "OLT/Video"
- Support 1310nm upstream CW/burst signal and 1490nm/1550nm downstream signal
- Design for networks of APON, BPON, EPON and GPON
- Threshold programmable
- Huge data storage capability
- Software is available for communication

Specification

Item	Description			
Wavelength	1310nm (Burst)	1310nm (CW)	1490nm	1550nm
Linearity	+0.2dB@1550 ≥-40dBm			
Isolation Rate	>40@1490nm		>40@1310nm	>40@1310nm
	>40@1550nm		>30@1550nm	>30@1490nm
Measuring Range	-30~+16dBm		-40~+16dBm	-50~+16dBm
Insertion Loss	1.5dB			
Broadband	1260~1360nm		1480~1500nm	1539~1565nm
Accuracy	0.5db+1nW @ 1550nm]			
Threshold	10 groups (configure via PC-software)			
Data Storage	900			
Adapter	SC/PC			
Operating Temperature	-10 to +50˚C			
Relative Humidity	0%~95% (non-condensing)			
Communication Port	USB port			
Power Supply	2pcs*Ni-MH AA; USB cable			
Dimension(mm)	160(L) x 76(W) x 45(H)			
Net Weight	400g			

Optical
Power Meter

Features

The FHS series of power Meter are desingned for use with an Optical Source for performing optical loss measurements ob fi ber optic cable. FHP1 series are deigned for the low budget. It can meet the basic demand in real testing. With the smaller weight, it is easier to take in real testing.

- Intergrated with high performance optical detector
- Mini size, light weight, great portability
- Lower power consumption
- Easy to use
- Integrated with auto-power-off,
  low power indication and measurement interchanging functions,
- Internal charging circuit, back light - Lower cost

Model : W-FHP-1X02

Specification

Type	Specification	
	W-FHP-1A02	W-FHP-1B02
Calibrated Wavelength	850/1300/1310/1490/1550/1625nm	
Emitter Type	InGaAs	
Connector	Interchangeable FC/PC, SC/PC	
Accuracy	< + 0.35dB + 1nW+	
Resolution	< 0.01dB	
Linearity	< + 5%	
Auto Power - off	< Yes	
Back - light	< Yes	
Reference Value	< Yes	
Measuring Runge(dBm)	-60 to +3dBm @1550nm	-40 to +23dBm @1550nm
USB Interface	< N/A	
Data Storage	< N/A	
Wavelength Recognize	< N/A	
Tone Detection (Hz)	-60 to +3dBm @1550nm	-60 to +3dBm @1550nm
Operating Temperature	10 to +50oC	
Storage Temperature	-20 to +70oC	
Power Supply	< Li-ion Battery ; 5v AC/DC adaptor	
Dimension (mm)	115L*62W*30mmH	
Net Weight		

PON
Laser Source

Features

Model : W-FHS-D0x

The W-FHS series offer excellent stability and portability for accurate fiber optic testing. Single output port provides stable laser power at dual wavelength. The compact unit operates in either continuous wave (CW) mode or modulated mode. A low battery indicator reminds the user of replacing the battery.

FHS1 series are designed for the low budget. It can meet the basicdemand in real testing. With the smaller size and weight, it is easier to take in real testing.

- Both single mode and multiple mode laser are available
- Single output interface
- Durable and portable
- Auto power - off function
- TWIN function is available
- Integrated with continuous wave output function, 270Hz , -1KHz and 2KHz are available

Specification

Type	Specification	
	W-FHS-D02	W-FHS-D03
Output wavelength (nm)	-60 to +3dBm @1550nm	-40 to +23dBm @1550nm
Emittertype	<LD	
Connector	FC/PC	
Output Stability	Short Term (15minutes): <0.1dB Long Term (5 Hours or above): <0.2dB	
Output frequency(Hz)	1310±20nm & 1550±20nm	850±10nm & 1300±20nm
Spectral Width	5nm	
Output Frequency	270Hz, 1KHz, 2KHz	
Output Power	-5dBm	
Accuracy	+1dB	
Auto Power-off	Yes	
Back-light	Yes	
Operating Temperature	-10 to +50°C	
Storage Temperature	-20 to +70°C	
Power Supply	Li-ion Battery; 5V AC/DC Adapter	
Dimension	115mmL*65mmW*30mmH	
Net Weight	140g	

Fiber Optic
Identifier

Model : W-OFI-3

Features

- "One button meter", convenient and easy to use
- Detect a variety of optical tones,270Hz,1kHz and 2kHz
- Powered by 2 units of 1.5V AA alkaline batteries
- RB0.25mm, RB0.9mm, and RB3.0mm plungers available

Specification

Item		Specification
Recognizable Wavelength Range		900 to 1650 nm
Recongnizable signal type		CW, 2kHz, 1kHz, 270Hz±5%
Detector		InGaAs 2pc
Clamp Type		H0.9/0.25 for bare fibers : H2.5 for jacketed fiber
Sensitivity	@1310mm	+11dB to-20 dBm (Continuous Wave); +11dB to-10 dBm (Modulated Signal)
	@1550nm	+11dB to-30 dBm (Continuous Wave); +11dB to-18 dBm (Modulated Signal)
LED indicator		signal traffic ; signal frequency(2kHz/1kHz/270Hz) ; signal intensity (5 grades) ; low battery
Operating temperrature		-10 to +50˚C
Storage temperature		-20 to +70˚C
PowerSupply		1.5V AA batteries * pcs
Dimension (mm)		202L*62W*36H
Weight (g)		270g

High Precision
Fiber Cleaver

Model : W-GW700

Specification

Type	Description
Fiber type	Single fiber
Coating diameter	250 µm, 900 µm
Bare fiber diameter	125µm
Cleave angle capability	Typically <0.5˚ (single core)
Cleave length	Coating diameter 250µm/900µm : 9~16mm/10~16mm
Blade lifetime	36,000 times fiber cleaves (3,000 times 12-fiber cleaves)
Dimension (mm.)	60(W)x76(D)x57(H)
Weight	420g

Features

- Compact design
- High reliability
- Good cleaving performance
- Special hexagonal wrench placement design
- 36,000 times cleave per blade
- High stability and precision

Stripper,Cutter & Sliter

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
- All stripping surfaces are manufactured to precise tolerances to assure clean, smooth strips
- Comfort-grip, ergonomic handles
- Lock to hold tool closed when it is not in use
- Length : 165mm ; weight : 113g

Model : Stripper

Model : W-LY-25-9

Features

- Strips and slits 0.18 IN to 1.0 IN (4.5-25mm) diameter round cables
- Adjustable cutting depth
- Swivel blade for circular, longitudinal and spiral cuts
- Cable holding clip with integrated edge for removing slit insulation
- Laser-trimmed, stainless-steel blade for long use
- Slits PVC, Teflon and THHN
- Application : Perfect For Armored Cable
- Material : Stainless Steel Blade
- Weight : 4.700 OZ (133.000 GM)
- Product Dimension : Product Dimension : 135x24x24mm
- Ordering Number : N101124
- Note : not for polyethylene, polypropylene or XLP insulations

Model : SLT-OT Stripper

Features

- Compact design, light weight, portable
- 4 guide rails for tubes with different diameters
- Composed with high quality metal blades, more durable
- High precision rail design, ensure the integrality of the fiber

Specification

Type	Description			
Dimension (mm)	52*38*22			
Weight (kg)	0.03			
Body Material	Stainless steel			
Stripping Cycles	2*1000 cycles			
Guide Rail Diameter (mm)	Ø1.5~1.9	Ø2.0~2.4	Ø2.5~2.9	Ø3.0~3.3