


OFS-80xC Series Optical Fiber Splicer

ShinewayTech® OFS-80xC optical fiber fusion splicer has been designed as high performance precision instruments, which is with comprehensive and rapid calculation and micron-level precisely controlled. It will automatically finish the whole fiber fusion process in a short time, and LCD monitor can display all information at one glance. Also, it is compatible with all kinds and type of fiber. OFS-80xC series is your reliable fusion splicer for general-purpose optical network construction and maintenance, FTTx and laboratory application.




Features

Splicing quality

-  **Excellent SPLICING result and perfect HEATING protection**
Using the mainstream PAS Technology in the industry combining with 3-D Auto core alignment precisely control.
-  **Auto Fiber identification**
Display fiber's category, cleaved angle, axial offset angle, and splicing loss evaluation; save screenshot, splicing condition parameter and result.
-  **Friendly GUI**
Using generic graphical buttons and icons to control powerful default and customized processes.

Design feature

-  **More suitable fiber holder**
Fiber holder is interchangeable or all-in-one fixable. Apply to cleave and splice 250μm, 900μm, 3mm and indoor cable and also splice-on connectors (SOC) adapter. Others can be customized.

- Battery replaceable
Battery can be charged independently with car charge cable or adapter, and also can be charged when it is working.
- Transparent protection cover for the LCD monitor
- Inner light to set fiber in dark environment
- 180° revertible display screen



Powerful function

- Auto checks fiber end-face, calibrate position of splicing, and calculate splicing loss
- Temperature and atmospheric pressure compensation function
- Arc power automatic optimization

SPECIFICATIONS

Model Type		OFS-80AC	OFS-80EC
Application		250μm/900μm/3mm/indoor cable compatible	250μm/900μm/3mm/indoor cable compatible / SOC adapter
Fiber Splicing Conditions	Fiber Material	SiO ₂	
	Applicable Fibers	SMF(ITU-T G.652), MMF(ITU-T G.651), DSF(ITU-T G.653), NZDSF(ITU-T G.655),BIF(ITU-T G.657), EDF	
	Fiber Count	Single	
	Coating Diameter	100 ~ 1000 μm	
	Cladding Diameter	80 ~ 150 μm	
	Fibers Cleave Length	8 ~ 16mm (Coating diameter: 250μm);16mm (Coating diameter: 250 ~ 1000μm)	
	Protection Sleeve Length	60mm, 40mm and a series of micro sleeves	
Standard Performance	Actual Average Splice Loss	SMF: 0.02dB; MMF: 0.01dB; DSF/NZDSF/EDF/BIF: 0.04dB	
	Return Loss of Splice	60 dB or greater	
	Splice Time	9s	
	Heat Time	Typical 36s; 0 ~ 240s (Heating time adjustable)	
	Battery Capacity	Typical 250 cycles (splicing + heating) with Li-battery (4400mAh)only	
	Fiber View	X/Y; 5.7 inch color LCD monitor	
	Fiber Image Magnification	Two CMOS cameras,240X	
Mode	Heat Programs	60 preset/user-definable modes	
	ReinforcementMode	Yes	
	Fiber Aligning Method	PAS Auto core alignment	
	Arc Calibration Mode	Automatic and manual	
Function	The Loss of Presumption	Yes	
	Splice Memory	MAX. 5,000 data / 100 pictures	
	Tension Test	2N	
	Automatic Discharge Test	Yes	
	V-groove White Lighting	Yes	
Power Supply	Battery	Rechargeable Li-battery (4400mAh)	
	AC Adapter	AC-input: (50/60Hz) 110 ~ 240V; DC-output: 14.5 ~ 15V	
Size & Weight	Dimension	180Wx160Dx155H mm	
	Weight	2.2kg (without battery); 2.5kg (with battery)	
Connectivity		RS-232/USB	

Work & Storage Conditions	Operating Conditions	0 ~ 5000m above sea level; 0 to 95% RH; -10 to 50°C; Max. wind velocity of 15m/s
	Storage Condition	-40°C to + 80°C, 0 to 95% RH

* Specifications subject to change without notice

Standard Package

Item	Quantity	
	OFS-80AC	OFS-80EC
Fusion Splicer	1	1
AC Adapter	1	1
Data Transfer Cable USB	1	1
Data Transfer Cable RS232	1	1
Electrode	2	2
Cooling tray	1	1
Screen Transparent Cover	1	1
Working Strap	1	1
Carrying Case	1	1
Spare Electrodes	1	1
1.5mm Hexagonal Wrench	1	1
Nipper (Plastic)	1	1
Brusher	1	1
Certificate of Calibration	1	1
Warranty card	1	1
Quick Guide	1	1
CD (User Manual & Operation Video)	1	1
SOC holder	-	1
4in1 holder	2	2

Option Items

Item	PN
HF-250µm holder	AC-OFS-250
HF-900 µm holder	AC-OFS-900
HF-0.9/3 mm holder	AC-OFS-0.9/3
HF-IN holder	AC-OFS-IN
4in1 Holder	AC-OFS-4in1
Cleaver	OFC-10; OFC-15
Miller Stripper	CFS-2 / CFS-3
Bowtie Stripper	PFS-10
Thermal stripper	TS-1B
Alcohol pot	-
Car charger	ADPT-V30
Battery charger	ADPT-BC1
Protection Clamp	AC-FCL-5
Soft Bag	PB-80-0/ PB-80-1
Lithium Battery	AC-BAT-82 (6.6 Ah);
	AC-BAT-84 (5.2 Ah);
	AC-BAT-85 (7.8 Ah)
Lamp	AC-OFS-LAMP
Electrodes Cleaner	EC-1
Cooling Tray	RJ-09-11-V2.2