OFS-80 Series Optical Fiber Fusion Splicer

ShinewayTech® OFS-80 series optical fiber fusion splicer is designed with high-speed image processing technology and special precision-positioning technology, it automatically finishes the whole process of fiber fusion in 9 seconds typically, LCD monitor displays all steps of fiber fusion clear at a glance. Compatible with ITU-T SM/MM/DS/NZDS fiber, equipped with 250/900/Bowtie fiber holders and SOC adapter, OFS-80 series is your reliable fusion splicer for general-purpose optical network construction, FTTx and laboratory application.

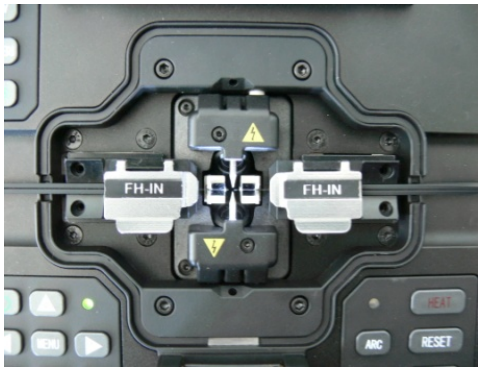
- Auto core alignment
- Excellent splicing result
- Applicable to SM/MM fibers
- Interchangeable fiber holders (250mm/900mm/Bow-type drop cable) and Splice-on connector (SOC) adapter
- Both X and Y axis display
- Fiber core can be display clearly
- Inner light to set fiber in dark environment
- Auto check fiber end-face & splice loss calculation
- 9 seconds splice time and 30 seconds heat time / 3 hours fast recharge
- 60 preset/user-definable splicing programs
- Temperature and atmospheric pressure compensation function
- Arc power automatic optimization
- Built-in event counter with electrode change indication
- Splicing pause function and automatically resume when wind shield close
- Simple operation menu
- Exterior operation capability at rugged conditions
- Sturdy weatherproof cover & Max. wind velocity of 15m/s
- Easy cleaning and maintenance
- Rigid multi-functional transporting case with transportation belt

Interchangeable fiber holders & Splice-on connector (SOC) adapter

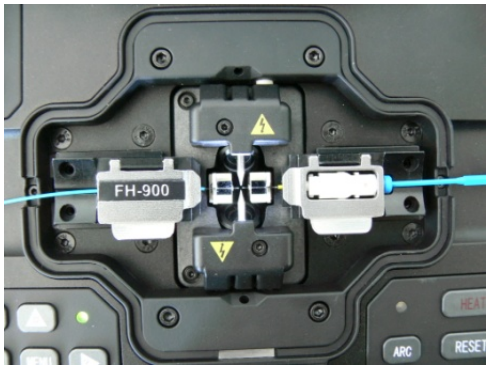
OFS-80E is engineered to work with interchangeable fiber holders which makes it easy for the operator to cleave and splice different types of fiber like 250mm, 900mm and Bow-type anywhere in the network. OFS-80E also supports splice-on connectors (SOC) splicing for efficient FTTx deployment and maintenance.

250mm

900mm



Bow-type



SOC splicing

Specifications

Model	OFS-80A	OFS-80E
Application	General splicing	FTTx application 250/900mm/Bow-type compatible Splice-on connector (SOC) adapter
Applicable Fibers	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655), ITU-T G.657	
Fiber Cleaved Length	8~16mm (Coating diameter: 250μm) 16mm (Coating diameter: 250 ~ 1000μm)	
Cladding Diameter	80 ~150μm	
Coating Diameter	100 ~ 1000μm	
Fiber Count	Single	

Fiber Aligning Method	Auto core alignment
Return Loss	>60dB
Actual Average Splice Loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DS), 0.04dB (NZDS)
Splicing Mode	60 preset/user-definable modes
Splicing Time	Typical 9 sec, with standard SM fiber
Arc Calibration Mode	Automatic and manual
Protection Sleeve Length	60mm, 40mm and a series of micro sleeves
Storage Of Splice Result	5000 results
Tension Test	2N
Fiber Display/ Magnification	240X(X and Y view)
Tube Heating Mode	Heating time adjustable: 20 – 60 sec
Tube Heating Time	Typical 30 seconds
Splicing/Heating Times	Typical 120 cycles (splicing/tube heat) with Li-battery only
Display	5.7 inch color LCD monitor
Connectivity	RS-232/USB
Operating Condition	0 ~ 5000m above sea level; 0 to 95% RH; -10 to 50℃; Max. wind velocity of 15m/s
Storage Condition	-20ºC to + 70ºC, 0 to 95% RH
Power Supply	AC adapter (AC-input: 100-240V; DC-output:14.5-15V); Li-battery (6600mAh)
Weight	3.15 Kg (including battery)
Dimensions (H×W×T)	180x160x155mm

* Specifications subject to change without notice

Ordering Information

Standard Package Includes:

OFS-80A	Instrument, Power supply module, AC power cord, Spare electrodes (one pair), Cooling tray, Screen cover, Carrying case, Warranty card, User manual.
OFS-80E	HF-250 holder, HF-900 holder, HF-IN holder, SOC holder; Instrument, Power supply module, AC power cord, Spare electrodes (one pair), Cooling tray, Screen cover, Carrying case, Warranty card, User manual.