

OFS-80

Optical Fiber Fusion Splicer

ShinewayTech® OFS-80 series is equipped 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, OFS-80 is your ideal fusion splicer for optical network construction and maintenance in both field and laboratory applications.



Features

- ◆ 5.7" Turn-over LCD screen for clear display
- ◆ 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
- ◆ Auto calculate splicing loss
- ◆ 9 seconds splice time and selectable heating mode
- ◆ 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
- ◆ Concave weatherproof cover & Max. wind velocity of 15m/s
- ◆ Easy cleaning and maintenance
- ◆ Rigid multi-functional transporting case with transportation belt

Specifications

Model	OFS-80
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 or less) 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 second, 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	240 x (X and Y view)
Tube Heating Mode	Heating time adjustable: 1 ~ 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 turn-over LCD monitor
Connectivity	RS-232/USB
Operating Condition	0 ~ 5000m above sea level; 0 to 95% RH; -10 to 50 °C; Max. wind velocity of 15m/s
Storage Condition	-20 °C to + 70 °C, 0 to 95% RH
Power Supply	AC adapter (input: 100-240V); Li-battery (6600mAh)
Weight	3.14 Kg (including battery)
Dimensions (HxW**T)	180x160x155mm

* Specifications subject to change without notice

