

OFS-60

Optical Fiber Fusion Splicer

The ShinewayTech[®] OFS-60 series adopt high-speed image processing technology and special precision-positioning technology, automatically finish the whole process off ber fusion in 10 seconds typically, LCD monitor displays all steps off ber fusion clear at a glance.

Widely used for SM and MM Quartz Fiber with diameter 12 μ m, coating layer diameter 0.2~1.5mm and bare fiber length 16mm more or less.

Ideal tools for construction and maintenance off ber and cable in both field and laboratory applications.

Features

- Both X and Y axis display
- Large multiple & visible fiber core
- Turn-over display screen to use conveniently
- Auto check end-face of fiber
- Auto calculate splicing loss
- Auto select suitable fusion program
- Small bulk and light weight & alternating /Direct Current available
- Screen menu for simple operation
- Concave weatherproof cover & Max. wind velocity of 15m/s



Specifications

Model	OFS-60
Applicable Fibers	SM,MM,DS,NZDS
Cladding Diameter	80-150 μ m
Coating Diameter	100-1000 μ m
Fiber Cleaved Length	10mm with coating diameter of 250 μ m or less. 16mm with coating diameter of 250 to 1000 μ m.
Actual Average Splice Loss	SM:0.02dB;MM:0.01dB;DS,NZDS:0.04dB
Splice Time	Typical 10sec. with standard SM fiber.
Return Loss	\geq 60dB
Splicing Modes	8 user programmable modes and up to 10 modes for reference (factory predetermined setting) and 2 auto-testing modes.
Splice Loss Estimate	Available
Storage of Splice Result	The last 5000 results to be stored in the internal memory.
Fiber Display	X/Y simultaneously always
Magnification	200x
Viewing Method	Two CMOS cameras and 5 inch color LCD monitor.
Operating Condition	0 to 5000m above sea level, 0 to 95%RH and -10 to 50 $^{\circ}$ C respectively.
Mechanical Proof Test	2N(standard)
Tube Heat Time	Typical 60sec. with standard 60mm protection sleeve.
Applicable Protection Sleeve Length	60mm, 40mm and a series of micro sleeves.
No. of splice/heating with battery	Typical 50 cycles with OFS-1-26L7
Power supply	Three methods:1,Use power supply model OFS-1-26L7(inner li-ion battery , 100-240V AC adapter, work and charge simultaneity); 2,Use power supply model OFS-1-26AC (100-240V AC adapter); 3,Outer power supply adapter, car cigarette lighter or storage cell(10.5-14.5V,4A)
Terminals	RS-232,VIDEO
Wind protection	Max. wind velocity of 15m/s.
General Specifications	
Operating Temp.	-10 $^{\circ}$ C ~ 50 $^{\circ}$ C
Storage Temp.	-40 $^{\circ}$ C ~ 60 $^{\circ}$ C
Relative Humidity	0 ~ 95%(non-condensing)
Weight	10.1 lbs (3.7kg)
Dimension (H x W x T)	7.3 x 7.1 x 6.8inch (185 x 180 x 172mm)

Ordering information

Standard Configuration:

Instrument, Power supply module(OFS-1-26L7), AC cord, Spare electrodes(one pair), Cooling tray, Screen cover, Carrying case, Warranty card, User's manual

Optional Accessory:

Part Description	Part Number(P/N)	Part Description	Part Number(P/N)
Electrodes	AC-OFS-E	V-groove(coupler)	AC-OFS-V
Fiber cleaver	AC-OFS-21	Blade	AC-OFS-B
Multi-function Power Supply	AC-OFS-NFA-20	Protection sleeves	AC-OFS-PS