OFS-80

Optical Fiber Fusion Splicer

OFS-80 combines high-speed image processing and special precision-positioning technologies, allowing automatic fusion splicing in 10 seconds. Applicable for SM and MM Quartz fibers of diameter 125μm, coating layer diameter 0.1-1mm and bare fiber length 10-16mm.

Features

- Both X and Y axis display
- Visible fiber core display 240×zoom
- Turn-over 5.6" LCD screen
- Auto end-face checking
- Auto core alignment
- Auto splicing loss calculation
- Built-in light for night illumination
- 6600mAh Li-ion battery for 120 splicing operations
- 3 hours quick charge/Chargeable during splicing
- User-friendly menu
- Wind-dust-damp-shock proof

Specifications

Model	OFS-80
Applicable Fibers	SM, MM, DS, NZDS
Cladding Diameter	80-150μm
Coating Diameter	100-1000μm
Fiber Cleaved Length	10mm (Fibers of coating diameter 250μm or less) 16mm (Fibers of coating diameter 250 to 1000μm)
Actual Average Splice Loss	SM: 0.02dB; MM: 0.01dB; DS & NZDS: 0.04dB
Splice Time	Typical ⩽10s with standard SM fiber
Return Loss	⩾60dB
Splicing Modes	10 factory predetermined modes, 60 user-defined modes (SM/MM)
Splice Loss Estimate	Yes
Storage of Splice Result	3000 records
Fiber Display	Simultaneous X/Y, Time/Date, Status
Magnification	240×
Viewing Method	Two cameras and 5.6 inch color LCD monitor
Mechanical Proof Test	1.96N
Tube Heat Time	Typical 35s with standard 60mm protection sleeve
Applicable Protection Sleeve Length	60mm, 40mm and a series of micro sleeves
No. of Splice/Heating with Battery	Typical 120 cycles
Power Supply	Li-ion Battery /100-240V AC Adapter
Connectivity	RS-232/USB
Wind Protection	Max. wind velocity of 15m/s
Operating Temperature	-10°C ~ 50°C
Storage Temperature	Splicer: -40°C ~ 60°C; Battery: -20°C ~ 30°C
Weight	2.65Kg (Without battery) / 3.15Kg (With battery)
Dimensions (H×W×T)	180mm×160mm×155mm (7×6.2×6.1inch)

* Specifications subject to change without notice

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