

OFS-95S fiber optic fusion splicer is designed as a highly flexible instrument with 6-motor precise micron level control and splice loss lower than 0.02dB for G.652 fiber. Equipped with removable universal fiber holders (250µm/900µm/patch cord/FTTx indoor fiber etc.), SOC holder and internal thermometer / barometer, OFS-95S can be deployed anywhere. Fast 5s startup, 9s splicing and automatic heating features enable the splicer an efficient tool for large volume splicing operation during fiber installation and maintenance.



**Optical
Fusion
Splicer**

OFS-95S

Features

- ◆ Compact and light: 1.7Kg with battery
- ◆ 6 motors core alignment for precise high-quality splicing
- ◆ SMF (G.652), MMF (G.651), DSF (G.653), NZ-DSF (G.655), BIF (G.657), EDF splicing
- ◆ One-fit-all fiber holders for bare fiber, pigtails, patch cords and FTTH indoor fiber splicing
- ◆ Auto fiber end-face inspection, auto arc position adjustment, splice loss calculation, temperature and pressure compensation
- ◆ Auto and manual splicing
- ◆ Splicing $\leq 9s$, heating $\leq 25s$ (time and power adjustable)
- ◆ Arc counter prompts electrode change upon usage
- ◆ Auto arc optimization
- ◆ Auto heating
- ◆ Dual V-groove for perfect fiber alignment
- ◆ X/Y and X+Y display for clear fiber core image
- ◆ Quick mount battery with power indicator, housed in dust and water splash proof battery dock
- ◆ DC output to power external devices
- ◆ Built-in illumination
- ◆ Wind – dust – rain - shock proof
- ◆ Auto display flip
- ◆ Graphical user interface for easy understanding and operation
- ◆ Multi-language support
- ◆ Optional password protection and GPS function



Specifications

Model	OFS-95S
Fiber Type	SMF (G.652), MMF (G.651), DSF (G.653), NZ-DSF (G.655), BIF (G.657), EDF
Protection Sleeve	40mm - 60mm
Splicing Principle	Arc
Alignment	6 motors core alignment
Splice Control	Auto and manual splicing
Arc Optimization	Yes
Display Mode	X, Y, X+Y
User Interface	Graphical interface, multiple language support
Splice Result	Auto splice result (Loss) calculation and display
Data	5000 splice records (CSV format), 100 screenshots
Data Port	USB, driver-free
Fiber Diameter	Cladding: 80~150 μ m, coating: 100~1000 μ m
Cleave Length	\leq 16mm
Splice Loss	MMF \leq 0.01dB (Typical); SMF/BIF \leq 0.02dB (Typical); DSF/NZDSF/EDF \leq 0.04dB (Typical)
Return Loss	>60dB
Splice Time	\leq 9s
Heating Time	\leq 25s, adjustable
Zoom	200x (X or Y)
Electrode Life	\geq 5000 splices
Tension Test	\geq 2N
Start-up Time	5s
Power Supply	220V \pm 10%, 50Hz; Rechargeable lithium battery
Battery Life	\geq 200 splicing and heating
Charging Time	\leq 4 hours
Size	125x125x135mm (L x W x H)
Weight	1.7Kg (with battery)
Work Temperature	-20 $^{\circ}$ C ~ +55 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C ~ +70 $^{\circ}$ C
Humidity	\leq 95% (non-condensing)
Altitude	0 m ~ 5000 m
Wind Speed	\leq 15 m/s

Configuration

Splicer unit x 1, Fiber holder x 1 (pair), Lithium battery x 1, Power adapter x 1, Fiber cleaver x 1, Cooling tray x 1, USB cable x 1, Carry case x 1, Quick Reference