

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 7 second startup, 9 second splicing and automatic heating features enable the splicer to be an efficient tool for any large volume splicing operation during fiber installation and maintenance.



Optical Fusion Splicer

OFS-95S

Features

- ◆ Compact and light: 1.9Kg 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 ≤ 9 second, heating ≤ 25 second (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
- ◆ With password control 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, Minimum Support 8mm |
| 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 | 300x (X or Y) |
| Electrode Life | \geq 5000 Splices |
| Tension Test | \geq 2N |
| Start-up Time | 7s |
| 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 | 1.9Kg (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



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