

WS-95 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, WS-95 can be deployed anywhere. Fast 7s 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

WS-95

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 $\leq 9s$, 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
- ◆ With password control function



Specifications

Model	WS-95
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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