

SPEEDWOLF

Optical Fiber Fusion Splicer

SP-FS36S



Shenzhen SPEEDWOLF Technology Co., Ltd

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Overview

SP-FS36S 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, SP-FS36S 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.

Product 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 ≤ 9s, heating ≤ 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

SP-FS36S Holders

High precision 4-in-1 holder design exquisitely, operate conveniently, can hold 2 50μm, 900μm, 3mm patch cord and FTTx indoor fiber.



Technical Parameters

Model	SP-FS36S Optical Fiber Fusion Splicer
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: 80~150μm, coating: 100~1000μm
Cleave Length	≤16mm
Splice Loss	MMF ≤ 0.01dB (Typical); SMF/BIF ≤ 0.02dB (Typical); DSF/NZDSF/EDF ≤ 0.04dB (Typical)
Return Loss	> 60dB
Splice Time	≤9s
Heating Time	≤25s, adjustable
Zoom	200x (X or Y)
Electrode Life	≥5000 splices

Tension Test	≥2N
Start-up Time	5s
Power Supply	220V±10%, 50Hz; Rechargeable lithium battery
Battery Life	≥200 splicing and heating
Charging Time	≤4 hours
Size	125x125x135mm (L x W x H)
Weight	1.7Kg (with battery)
Work Temperature	-20°C ~ +55°C

** Specifications subject to change without notice*

Kit Include

No	Name	Qty
1	SP-FS36S Fusion Splicer	1 set
2	Fiber Cleaver	1 pcs
3	Fiber Stripper	1 pcs
4	AC Adaptor	1 pcs
5	Li Battery	1 pcs
6	Charger	1 pcs
7	Cooling Tray	1 pcs
8	User Manual CD	1 pcs
9	Carrying Case	1 pcs
10	4-in-1 Fiber holder	1 pcs
11	USB data cable	1 pcs

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by SPEEDWOLF before they become applicable to any particular order or contract. In accordance with the SPEEDWOLF policy of continuous improvement specifications may change without notice.

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