ShinewayTech®
Dependable Partner for Future Networks



OFS-120

High Definition Core Alignment Fusion Splicer

4G
4G Network Access Available

Cloud Services, APP Remote Operation Available

USB Type-C port for Charging and Data Transfer

- Ultra-low splice loss for G.654.E&G.652.D
- One-fit-all fiber holders
- Auto fiber end-face inspection
- Auto arc position adjustment
- Auto splice loss calculation
- Auto temperature and pressure compensation
- Auto arc optimization
- Auto display flip
- Auto and manual splicing
- Auto and manual heating
- DC output to power external devices
- Wind – dust – rain – shock proof
- Built-in operation guidance video

WiFi, Bluetooth, GPS
Option

5000mAh Battery
≥360 Cycles

Auto
Fiber Identification

6 Motors
Core Alignment

5s Splicing
15s Heating

Max. **720x**
Magnification

Specifications

Model	OFS-120
Fiber Material	Silica glass
Fiber Type	SMF (G.652), MMF (G.651), DSF (G.653), CSF (G.654), NZ-DSF (G.655), BIF (G.657), EDF
Fiber Diameter	Cladding: 80~150μm, Coating: 100~1000μm
Cleave Length	8 - 16mm
Splicing Principle	Arc
Alignment	6 motors core alignment
Splice Loss	MMF ≤ 0.01dB (Typical); SMF/BIF ≤ 0.02dB (Typical);
	DSF/NZDSF/EDF ≤ 0.04dB (Typical)
Return Loss	>60dB
Splice Time	≤7s (typical), 5s (Quick Mode)
Heating Time	≤18s (typical), 15s (Quick Mode), Adjustable
Splice & Heat Cycles	≥360 Splicing and Heating per battery full charge
Fiber View & Magnification	2 CMOS cameras observation
	280X (zoom: 560X) for X or Y, 360X (zoom: 720X) for X+Y
Tension Test	≥2N
Start-up Time	<9s
Protection Sleeve	40mm - 60mm
Splice Programs	Max. 240, 31 are pre-optimized
Heating Programs	Max. 30, 21 are pre-optimized
User Interface	Graphical interface, multiple language support
Auto Fiber Identification	SMF / MMF / DSF / NZ-DSF / BIF / CSF / Others
Splice Result	Auto splice result (Loss) calculation and display
Splice Control	Auto and manual splicing
Splice Optimization	Automatically optimize splicing mode according to fiber type
Display Mode	X, Y, X+Y
Data Storage	≥10,000 splice records (CSV format) / 100 images (internal memory) ; ≥25,000 splice records / 12,000 images (with 8G SD card)
Data Transfer	USB Type-C port, WiFi, Bluetooth, 4G
Storage Media	SD memory card, Standard 8G, Max. support 32G
Electrode Life	≥5000 Splices
Power Supply	220V±10%, 50Hz; Rechargeable Lithium Battery
Battery Capacity	5000mAh
Charging Time	≤4 Hours
Monitor	5 Inch touch screen
Size	157x157x144mm (L x W x H) with protector
Weight	2.2Kg (with battery)
Work Temperature	-20°C~+55°C
Storage Temperature	-40°C~+70°C
Humidity	≤95% (Non-condensing)
Altitude	0 m~5000 m
Wind Speed	≤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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