ShinewayTech OFS-120 High Definition Core Alignment Fusion Splicer Owner's Manual

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WiFi, Bluetooth, GPS Option

5000mAh Battery 2360 Cycles

Auto Fiber Identification

6 Motors Core Alignment

5s Splicing 15s Heating

Max. 720x Magnification

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

Contents

Specifications

Model	OFS-120
Fiber Material	Silica glass
Fiber Type	SMF (0.652), MMF (0.651), DSF (0.653), CSF (0.654), NZ-DSF (0.655), BIF (0.657), EDF
Fiber Diameter	Cladding: 80-150pm, Coating: 100-1000um
Cleave Length	8- 16nin
Splicing Principle	Arc
Alignment	6 motors core alignment
Splice Loss	MMF 5 0.01dB (Typical); SMF/BIF 5 0.02dB (Typical);
	DSF/NZDSF/EDF 5 0.04423 (Typical)
Return Loss	>60dB
Splice Time	57s (typical), 5s (Quick Mode)
Heating Time	518s (typical). 15s (Quick Mode), Adjustable
Splice & Heat Cycles	amo Spicing 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	x2N
Start-up Time	4:9s
Protection Sleeve	40mm – 60mm
Spice 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
Spice Result	Auto spice result (Loss) calculation and display
Splice Control	Auto and manual splicing

Spice Optimization	Automatically optinize splidng mode according to fiber type
Display Mode	X, Y. X+Y
Data Storage	k10,000 splice records (CSV format) / 100 images (internal memory); 45,000 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	t5000 Splices
Power Supply	220V±10%, 50Hz; Rechargeable Lithium Battery
Battery Capacity	5000mAh
Charging Time	54 Hours
Monitor	5 Inch touch screen
Size	157x157x144mm (L x W x H) with protector
Weight	22Kg (with battery)
Work Temperature	-20°C-+55°C
Storage Temperature	-40°C-+70°C
Humidity	595% (Non-condensing)
Altitude	0 m•5000 m
Wind Speed	515 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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Documents / Resources

ShinewayTech OFS-120 High Definition Core Alignment Fusion Splicer [pdf] Owner's Manual

OFS-120, OFS-120 High Definition Core Alignment Fusion Splicer, OFS-120, High Definition Core Alignment Fusion Splicer, Core Alignment Fusion Splicer, Fusion Splicer, Splicer

References

- 🌐 **ShinewayTech**
- **User Manual**