

OFS-120 High Definition Core Alignment Fusion Splicer

Product Overview

The OFS-120 is a 6 motors high definition Core alignment splicer. It has a 5 seconds splice and heating speed. Enabled with 4G, cloud services, Bluetooth and 5000mAh battery.



Features

- ▶ Ultra-low splice loss for G.654.E&G.652.D
- ▶ Universal fibre holders
- ▶ Auto fibre end-face inspection
- ▶ Auto arc position adjustment
- ▶ Auto splice loss calculation
- ▶ Auto temperature and pressure compensation
- ▶ Auto arc optimisation
- ▶ Auto display flip
- ▶ Auto and manual splicing and heating
- ▶ DC output to power external devices
- ▶ Wind, dust, rain and shock proof



Specifications

Model	OFS-120
Fibre Material	Silica glass
Fibre Type	SMF (G.652), MMF (G.651), DSF (G.653), CSF (G.654), NZ-DSF (G.655), BIF (G.657), EDF
Fibre Diameter	Cladding: 80~150µm, Coating: 100~1000µm



Cleave Length	8 - 16mm
Splicing Principle	Arc
Alignment	6 motors core alignment
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 7s (typical), 5s (Quick Mode)
Heating Time	\leq 18s (typical), 15s (Quick Mode), Adjustable
Splice & Heat Cycles	\geq 360 Splicing and Heating per battery full charge
Fibre View & Magnification	2 CMOS cameras observation 280X (zoom: 560X) for X or Y, 360X (zoom: 720X) for X+Y
Tension Test	\geq 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 Fibre 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 fibre type
Display Mode	X, Y, X+Y
Data Storage	\geq 10,000 splice records (CSV format) / 100 images (internal memory) ; \geq 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	\geq 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

Ordering Information

OFS-120, fibre Holder x 1 (pair), Lithium Battery x 1, Power Adapter x 1, Fibre Cleaver x 1, Cooling Tray x 1, USB Cable x 1, Carry Case x 1, Quick Reference

