

SFS-2000H OPTICAL FIBER FUSION SPLICER

- ◆ Core to core alignment
- ◆ 7s fast splicing, 18s highly efficient heating
- ◆ 10000 groups of fusion records storage
- ◆ 300 groups of splice modes, 100 groups of heating modes
- ◆ At least 300 counts of splicing and heating cycles
- ◆ Dust-resistant, water-resistant, shock-resistant
- ◆ USB and SD card interface, auto update of U disk
- ◆ Ceramic presser foot, ceramic V-groove, all-in-one fixture
- ◆ Dual-directional fusing, auto fusing, intelligent heat shrink
- ◆ 320/200 times image magnification, 5mm fusing for ultra short cleave length
- ◆ GUI (graphical user interface) and touch screen, convenient for operation



SMALL AND LIGHT

Small size and light weight, the splicer is easy to carry and can be lift by one hand.

WATER-RESISTANT, SHOCK-RESISTANT, GREATER ENVIRONMENT ADAPTABILITY



Shock-resistant



Dust-resistant



Water-resistant



High-temp-resistant



01

Ceramic V-groove and ceramic presser foot

Ceramic V- groove with high precision brings you convenient and accurate placement of optical fibers and makes cleanup easy.



02

All-in one fixer and optional splice-on connector

The all-in-one fixture meets fusion demands of multiple optical fibers, jumpers and rubber-insulated wires with a cladding diameter of 80-150 μm .



03

Intelligent heat shrink

A detection unit is embedded in the heater. The heating function will only be enabled when the protection sleeve is put in the heater, to avoid mishandling.



04

Pluggable lithium-ion battery of large capacity

The built-in pluggable lithium-ion battery of large capacity can answer working demand lasting all day long (typical 300 counts of splicing and heating cycles).



05

Graphical interface and touch screen

SFS-2000H uses entirely new GUI and touch screen in design. Operators can set up the splicer and get to know relevant information of it simply and directly by graphical interfaces.

◆ Product Overview

SFS-2000H Optical Fiber Fusion Splicer is the new standard core to core alignment fusion splicer, which delivers convenient operation and handy carrying case. Even very short fibers can be spliced easily. It is capable of construction and maintenance of optical fiber line projects (including trunk line), emergency repair, production and test of optical fiber devices and research and study in institutes.

◆ Technical Specifications

Model	SFS-2000H
Motor qty.	6
Alignment method	Precise core alignment, cladding alignment, manual alignment
Applicable fibers	SMF (G.652), BIF(G.657), MMF (G.651), DSF (G.653), NZDSF (G.655)
Typical splice loss	0.02dB (SMF/BIF), 0.01dB (MMF), 0.04dB (DSF), 0.04dB (NZDSF)
Optical fiber diameter	Cladding: 80 - 150 μ m, coating layer: 0.1 - 3mm
Cleave length	5 - 16mm (coated optical fiber diameter \leq 250 μ m)
	10mm (coated optical fiber diameter: 0.25 - 3mm)
Return loss	Better than 60dB
Typical splicing time	7s (Fast mode)
Typical heating time	18s
Tension	1.96 - 2.25N
Protection sleeve	60mm, 40mm and a series of protection sleeves
Graphical display	High-performance 4.3 inch LCD
Magnification time	320 times / 200 times, 700 times
Fusion records	10000 groups / 64 images
Battery capacity	11.1V, 6800mAh
Battery service life	Cycle charging: 300 - 500 counts, can be replaced by customers
Size / weight	120W x 130H x 154D (mm) / 2.1kg (including battery)
Electrode service life	Typical: 4000 splices, can be replaced by customers
Construction lighting	Built-in lights with high-brightness and wide lighting area
No. of splice/heating per battery full charge	300 cycles
Operating condition	Altitude: 0 to 6000m above sea level, Temperature:-10 to 50°C,
	Wind:15m/sec ⁴ , Humidity: 0 to 95%RH, non-dew
Resistance features	Shock: 60cm all surface drop, Rain: H=3mm/min for 10min, IPX2
	Dust: Exposure to dust (0.1 to 500 μ m dia Alumina Silicate), IP5X
Port	USB / SD

Carrying Case

The carrying case is novel in design and light in weight, has built-in compact working bench. Open or close the cover can turn it to a working bench.



Standard Package

Description	No.
Fusion Splicer	1
Fiber Cleaver	2
Jacket Stripper	3
Drop Cable Stripper	4
AC Adapter	5
AC Power Cord	6
Spare Electrodes	7
Cooling Tray	8
Alcohol Pot	9
Instruction Manual	10
Carrying Case	11



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