OFS-95EA Optical Fiber Fusion Splicer

ShinewayTech® OFS-95EA optical fiber fusion splicer is designed with high-speed image processing technology and special precision-positioning technology. It will automatically finish the whole fiber fusion process in 9 seconds by fast mode, and splice loss is lower than 0.02dB for single mode fiber. 3.5-inch LCD, dual CMOS monitors, X and Y axis separately display or simultaneously display, thus different fusion stages can be showed clearly. It is compatible with ITU-T SM/MM/DS/NZDS/ED fiber, and is equipped with 4-in-1 holders and SOC adapter.

OFS-95EA has small volume, light weight, AC/DC power supply and 200+ splicing and heating circles, so it is particularly suited to telecommunications, radio and television, railway, electric power, military, research institutes for optical fiber communication construction and maintenance. OFS-95EA is perfect for FTTH installation and maintenance.

Hardware Structure Design Feature

- Compact and convenient: 1.5kg with battery
- Four motors, special precision-positioning technology
- Splice Loss: SMF/BIF: ≤0.02dB(typ.); MMF: ≤0.01dB(typ.); DSF/NZDSF/EDF: ≤0.04dB(typ.)
- High precision 4-in-1 holder (250μm/900μm/patch cord/FTTx indoor fiber etc), SOC holder
- Unique battery and the host separation design, convenient maintenance and replacement of the battery
- Double V-groove design
- High strength portable straps design is convenient for hanging and operating
- Inner light make the operation environment in the dark
- Wind, sand and dust prevention, waterproof, aseismatic design adapt to the outdoor environment
- Display screen can be flip before and after, can conveniently multi-angle observe
- 76cm drop proof / ISTA certificate
- Optional GPS security function

Software Design Feature

- Auto checks fiber end-face, calibrate position of splicing, calculate splicing loss and temperature and pressure compensation so on
- Between X/Y single screen and X&Y easily switch
- Auto splice, auto arc optimization, auto heating
- ≤9s splicing time, ≤36s heating time (adjustable)
- 3 hours fast recharge
- Ready-package battery with electric quantity indicator, convenient carrying and change
- Built-in counter to warn replace electrode

OFS-95 Holders

High precision 4-in-1 holder design exquisitely, operate conveniently, can hold 250μm, 900μm, 3mm patch cord and FTTx indoor fiber.

Specifications

Model	OFS-95EA
Display	3.5 inch Color LCD, X/Y / X / Y, Auto turn-over
Dimension	125×125×135mm (L×W×H) (without rubber boot)
Weight	1.2kg (without battery) / 1.5kg(with battery)
Fiber Type	SMF(ITU-T G.652), MMF(ITU-T G.651), DSF(ITU-T G.653), NZDSF(ITU-T G.655), BIF(ITU-T G.657), EDF
Fiber Material	SiO_2
Fiber Count	Single
Cladding Diameter	80 - 150μm
Coating Diameter	100 - 1000μm
Fiber Cleave Length	8 - 16mm (Coating diameter: 0 - 250μm); 16mm (Coating diameter: 250 - 1000μm)
Sleeve Length	≦60mm
Splice Mode	Arcing / 60 modes
Splice Loss Evaluation	Yes

Fiber Check	Fiber cleaving angle / axis offset / loss / fiber alignment / focus etc.
Memory Space	5,000 splices /100 screenshots
Tension Test	2N
Electrode Life	5000 arcs
V-groove	White LED
Splice Loss	SMF/BIF ≦0.02dB(typ.)/ MMF≦0.01dB(typ.) / DSF/NZDSF/EDF ≦ 0.04dB(typ.)
Return Loss	>60dB
Splice Time	≦9 seconds
Boot Time	5 seconds
Heating	Auto heating / 18 seconds (Typical, 0 - 240s adjustable) / 20 modes
Battery	200+ (splice + heating) circles
Imaging System	Dual CMOS cameras, 200x zoom
Power Saving	Auto screen / power off (Adjustable)
Power Supply	4400mAhLithium Battery
Connectivity	USB
Working Condition	-25℃ - 50℃ / -30℃ - 70℃ (Working / Storage), Humidity: 0 - 90%(Non-Condensing) Altitude: 0 - 5000m,Wind Speed ≦15m/s

* *Specifications subject to change without notice*

Standard Package

Fusion Splicer, Cleaver, Lithium Battery, Cooling rack, 4-in-1 Fiber holder(one pair), USB data cable, Adapter, Carrying Case, User Manual(CD) , Warranty card, Calibration Certificate