Optical Fiber Fusion Splicer

Overview

SP-FS36EA optical fiber fusion splicer is designed with high-speed image processing technology and special precision-positioning technology. It will aut omatically finish the whole fiber fusion process in 9 seconds by fast mode, and splice loss is lower tha n 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 compa ible with IT U-T SM/MM/DS/NZDS/ED fiber, and is equipped with 4-in-1 holders and SOC adapter.

SP-FS36EA has small volume, light weight, AC/DC power supply and 200+ s plicing and heating circles, so it is particularly suited to telecommunications, radio and television, railw ay, electric power, military, research institutes for optical fiber communication construction and maintenance. SP-FS36EA is perfect for FTTH installation and maintenance.

Product Features

➢ 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

➢ Auto checks fiber end-face, calibrate position of splicing, calculate splicing lo ss and temperature and pr essure 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 a nd change

- ➢ Built-in counter to warn replace electrode

SP-FS36EA Holders

High precision 4-in-1 holder design exquisitely, operate convenient y, can hold 2 50μm, 900μm, 3mm patch cord and FTTx indoor fiber.

Technical Parameters

Model	SP-FS36EA Optical Fiber Fusion Splicer
Display	3.5 inch Color LCD, X/Y / X / Y, A uto turn-over
Dimension	125×125×135mm（L×W×H）(witho ut 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), NZ SF(ITU-T G.655), BIF(ITU-T G.657), EDF
Fiber Material	SiO2
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

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

Kit Include

No	Name	Qty
1	SP-FS36EA Fusion Splicer	1 set
2	Fiber Cleaver	1 pcs
3	Fiber Stripper	1 pcs

Shenzhen SPEEDWOLF Technology Co., Ltd.
A-14,Haide Building, Nanxin Road Nanshan District,Shenzhen,P.R.China
Email:am-us@speedwolf.net   0086-755-26400198/0086-0755-26400288   Fax:0086-755-26411001

3

4	AC Adatpor	1 pcs
5	Li Battery	1 pcs
6	Charger	1 pcs
7	Cooling Tray	1 pcs
8	User Manual CD	1 pcs
9	Carrying Case	1 pcs
10	4-in-1 Fiber holder	1 pcs
11	USB data cable	1 pcs

Important Notice

Performance figures, data and any illustrative materialprovided in this data sheet are typical and must bespecifically confirmed in writing by SPEEDWOLF beforethey become applicable to any particular order orcontract. In accordance with the SPEEDWOLF policy ofcontinuous improvement specifications may change without notice.

The publication of information in thisdata sheet does not imply freedom from patent or otherprotective rights of SPEEDWOLF or others. Further detailsare available from any SPEEDWOLF sales representative.

Contact SPEEDWOLF

Shenzhen SPEEDWOLF Technology Co., Ltd.

Address:A-14,Haide Building, Nanxin Road Nanshan District Shenzhen,China .

Tel: +86-755-26400198 +86-755-26400288   Fax: +86-755-26411001

Whatsapp:+086-18923447735   skype:speedwolf_8

Email: speedwolf@speedwolf.net,

Web: www.speedwolf.net

Shenzhen SPEEDWOLF Technology Co., Ltd.
A-14,Haide Building, Nanxin Road Nanshan District,Shenzhen,P.R.China
Email:am-us@speedwolf.net   0086-755-26400198/0086-0755-26400288   Fax:0086-755-26411001

4