

SKYSHL

SS413F

Optical Fiber Fusion Splicer



Shenzhen SKYSHL Technology Co.,LTD.

www.skyshl.net

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SS413F

Core Alignment Optical Fiber Fusion Splicer



The SS413F is a core alignment fusion splicer setting a new standard in the market for fusion splicing. The SS413F fusion splicer is packed with a whole host of new and enhanced features specifically developed with the objective of enabling the user to work faster with higher precision. Overall splice process time has been significantly reduced. This has been achieved with a combination of improvements to the reaction time of the automated wind protectors and automated heater, new fibre retention clamps, improved universal sheath clamps and a redesigned internal structure that matches the protection sleeve to the fusion splice point which enables splicing to be achieved without the need of the user to touch the SS413F once the process has started.

The SKYSHL SS413F is a advanced single fiber core alignment fusion splicers which possesses advanced image processing technology, meanwhile, it has high precision CMOS camera, lenses and servos which provide accurate core to core alignment regardless of core-cladding concentricity error[Actual average splice loss:0.02dB(SM),0.01dB(MM),0.04dB(DS),0.04dB(NZDS)].

Features

- ✧ Market leading high precision and accurate core alignment technology with advanced image processing.
- ✧ Improved automatic wind protector design which reduces overall splice time but can also be used manually.
- ✧ Patented easy splice protector positioning system.
- ✧ Fibre Retention clamps.
- ✧ Universal sheath clamps for standard 250 um fibre as well as 900 um loose tube fibre types.
- ✧ A completely redesigned multi-function carry case and workstation.
- ✧ Tool-less replaceable electrodes.

- ✧ High capacity lithium-ion battery (up to 300 splices).

Automatic Fiber Identification

Perfectly compatible with ITU-TG.651~653,ITU-TG.655 and ITU-TG.657(Include SM,DS,NZ,MM) fiber.



High Performance Fusion Splicer

6s Splicing Time (standard SM fiber); 16-25s Heating Time(60mm Tube)





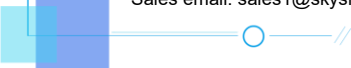
Friendly and Durable Design

Auto Splicing, Auto Heating Design, 3.5inch LCD Display and Protective case



Large Capacity Battery

10.8V 5200MAH Rechargeable Lithium Battery



Technical Specifications

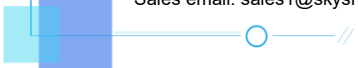
| | |
|-----------------------------------|---|
| Applicable fibers | SM MM DS NZDS |
| Fiber diameter | Cladding diameter:80-150μm; Coating diameter:100-1000μm |
| Fiber count | Single |
| Fiber cleaved length | 8-16mm (Coating diameter:250μm) |
| Actual average splice loss | 0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS) |
| Typical splicing time | Typical 6 sec (standard SM fiber) |
| Return loss | >60dB |
| Splicing mode | Auto Calibrate Normal Special |
| Fiber aligning method | Meticulous、Core、Clad、Manual |
| Splicing program | 53 (factory mode), 100(user mode) |
| Tube heating program | 6 (factory mode), 40(user mode) |
| Tube typical heating time | Typical 16~25 sec |
| Protection sleeve length | 60mm, 40mm |
| Storage of splice result | 10000 results, 24parameter per result , 100 set of images |
| Fiber image magnification | 120X (X or Y view), 60X (X and Y view) |
| Battery capacity | Typical 300 cycles (splice/tube heat with inner Li-battery) |
| Monitor | 3.5 inch color LCD monitor |
| Tension test | 2N |
| Electrode life | 2500 |
| Terminal | USB |
| Power supply | AC 100-240V with AC adapter DC13.5V Inner Li-battery (5200mAH) |
| Operating condition | 0-5000m above sea level, -10-50℃ Max wind velocity of 15m/s |
| Dimension | 122mm(L)×148mm(W)×130mm(H) |
| Weight | 1.4Kg excluding battery 1.7Kg including battery |



Package Include



Package List: 1*Optical Fiber Fusion Splicer, 4pairs*Electrodes, 1*Fiber Cleaver, 2*Pliers, 1*ABS box, 1*5200mah Lithium Battery, 1*Brush, 1*Tweezers, 1*Manual, 1*Power Adapters, 1*Alcohol bottle (no alcohol), 1*Scissors.





Contact Information

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