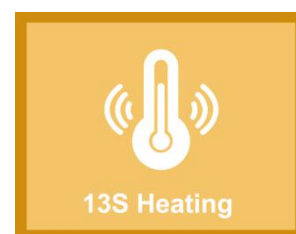
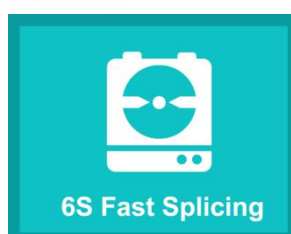


SKYSHL

SS414F

Optical Fiber Fusion Splicer



Shenzhen SKYSHL Technology Co.,LTD.

www.skyshl.net

V2019.01

Overview:

SS414F is a core alignment fusion splicer with a very small size and very light weight. It is equipped with a 4.3-inch high-resolution capacitive touch screen to make work more efficient.

The SS414F 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 fiber 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 SS414F once the process has started.

The SKYSHL SS414F is an advanced single fiber core alignment fusion splicer 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.

Key Features:

- Market leading high precision and accurate core alignment technology with advanced image processing.
- 6s Splicing time and 13s heating time(Fast Mode).
- 4.3" high resolution TFT touch screen with 380X magnification.
- 3 high-power white LEDs and illuminated keypads simplify your work at night.
- Dust-proof, water-proof, shock proof and high temperature resistance, adapting to various altitude and formidable nature conditions.
- German CNC technique and integrated fiber-adjust frame, which make performance much stable.
- 11.1V 4000mah rechargeable Lithium battery, and it supports more than 300 times of fiber splicing or heat shrink tube heating.
- The fiber cleaver adopts a high-strength tungsten steel blade with 16 cutting surfaces, and the number of cuttings is up to 48,000.
- Automatic focus, automatic splicing, automatic heating, automatic calibration, automatic arc compensation, etc.;
- Provide a full set of fiber optic tools, such as fiber stripper, fiber cleaver and Kevlar Scissors etc.

Technical Parameters:

Applicable fibers	SM(ITU-T G.652&G.657)/MM(ITU-T G.651)/ds(ITU G.653) /NZDS(ITU-T G.655)/BIF (ITU-T G.657)/EDF
Fiber diameter	Cladding diameter:80-150μm; Coating diameter:100-1000μm
Fiber count	Single
Fiber cleaved length	Cleave Length 8-16mm
Average splice loss	0.02dB(SM)/0.02dB(MM)/0.04dB(DS/NZDS)/0.02dB(G.657)
Return loss	≥60dB
Splicing time	6S (Quick Mode)
Heating time	13S(Quick heating time)
Splicing mode	Pre-Set 41 splicing modes,Max 100modes
Heating Mode	Pre-set 5 heating modes(20/30/40/50/60mm),Max 100modes
Lighting	3 White LEDs
Estimated Splice Loss	Available
Protection sleeve length	20-60mm
Storage of splice result	20000 lastest records & 200 images
Fiber image magnification	X,Y,XY,X/Y: 380X Magnification
Battery capacity	≥300cycles (Splice/tube heat with inner Li-battery)
Monitor	90° bi-directional view, 4.3" Color TFT High Resoulution Touch Screen
Operating Methods	Button/Touch Screen
Tension test	1.96~2.25N
Electrode life	5500
Terminal	Mini USB 2.0
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Power supply	AC 100-240V with AC adapter DC input 12-15V,Inner Li-battery (4000mAH)
Operating condition	Operating Altitude: 0-5000m above sea level, -15-55℃ Max wind velocity of 15m/s
Storage condition	0-95% relative humidity,-40~80℃
Dimension	130mm(L)×155mm(W)×125mm(H)
Weight	1370G(Excluding battery)/1750G(Including battery)



Product Image:



Package Include:



Package List: 1*ABS Box+1*SS414F Fusion Splicer+1*Oxford Strap+1*Miller Fiber Stripper+1* Fiber Stripper+1*Kevlar Scissors+1*Alcohol Bottle(No Alcohol)+1*Cleaning Brush+2*Electrodes+1*Fiber Cleaver+1*Hex Screwdriver+1*Factory Test Report+1*Packing List+1*SS414F User's Manual+1*11.1V 4000mah Lithium Battery+1*100-240V Power Adapter+1*Car charger.

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