

18H

FTTH Optical Fusion Splicer

18H is mainly applied in FTTH, adopting industrial four-core CPU (dominant frequency 1.4Ghz), low power consumption and high performance. Besides, 18H adopts precision and cladding alignment. 18H is small but with strong shell, meeting all kinds of severe working environment.



Parameters

Model	FST-18H
Dimension	115W*160L*135H (excluding rubber bumper) / 120W*165L*135H (including rubber bumper)
Weight	1735G (with battery) / 1355G (without battery)
Number of Fiber	Single
Applicable Fibers	SM(ITU-T G.652& G.657)/MM(ITU-T G.651)/ DS(ITU-T G.653)/NZDS(ITU-T G.655)
Compatible Fiber/Cable	0.25 - 3.0mm/Indoor Cable
Cleaved Length	Diameter: 0.125 - 1 mm/Cleave Length: 8-16mm
Cladding Diameter	80 - 150 μ m
Splicing Mode	Pre-set 41 splicing modes, max 100 modes
Heating Mode	Pre-set 5 heating modes (20/30/40/50/60mm), max 100 modes
Typical Splice Loss	SM: 0.03dB / MM: 0.02dB/ DS: 0.05dB / NZDS: 0.05 dB/ G.657: 0.03dB (ITU-T Standard)
Return Loss	\geq 60dB
Lighting	3 White LEDs
Splicing Time	Quick mode: 6s
Estimated Splice Loss	Available
Heating Sleeve Length	20 - 60 mm
Heating Time	Quick heating time: 13s, typical heating time: 30s
Results Storage	The last 2000 results
Tension Test	1.96 - 2.25N
Operating Condition	Operating Altitude: 0 - 5000m above sea level, 0 - 95% relative humidity, - 10 ~ 50 $^{\circ}$ C, Max Wind 15m/s
Storage Condition	0 ~ 95% relative humidity, -40 ~ 80 $^{\circ}$ C
Display	90 $^{\circ}$ bi-directional view, 4.3" Color High Resolution Display
Fiber View & Magnification	X, Y, XY, X/Y: 380X Magnification
Power Supply	AC Input 100 - 240V, DC Input 12 - 15V
No. of Splice/ Heating with Battery	4800mAh Battery Capacity, Typical 230 times (Splice + Heat)
Operating Methods	Button/Touch Screen
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Electrode Life	5000 arcs
Terminal	Mini USB 2.0

advantages

The shielding cover is wind-proof, freeze-proof, quake-proof, water-proof, provide the protection for fiber; clear plastic button, for convenient operation, with handle and strap.

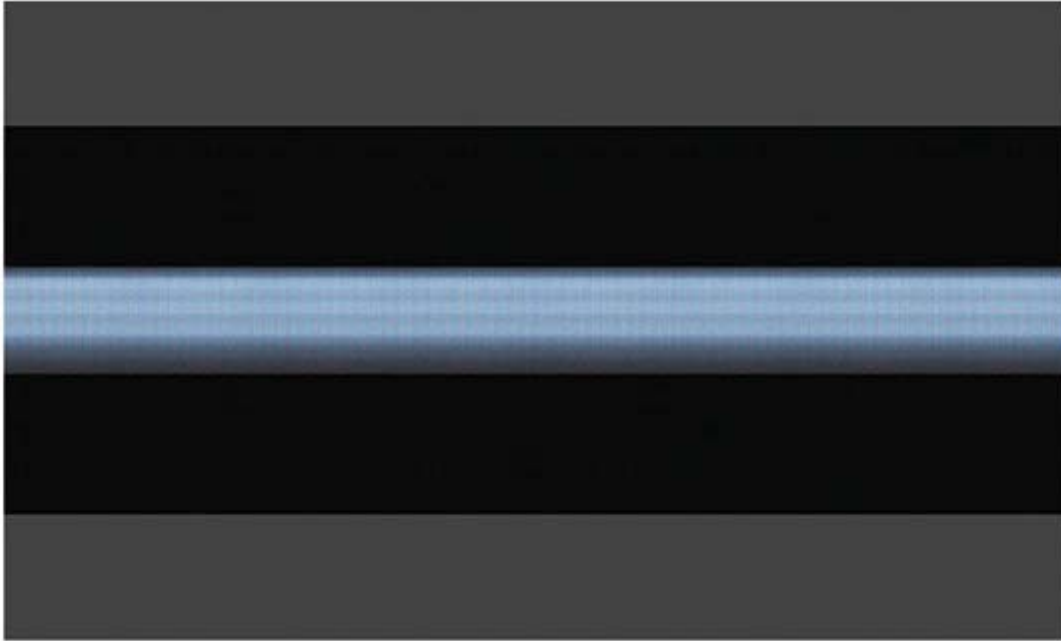




18H Adopts Mini-USB 2.0 and owns large capacity battery with 4800 mAh, providing 180 times splices/heating. Each splice/heating is less than 26 mAh.

The adjustable angle of Monitor is $\geq 180^\circ$. 18H adopts 4.3" 480*272 high resolution LCD touch screen. Double clicking can realize 500X magnification. User can zoom in fiber by double clicking on the screen and check if the splice status is good or not.





18H is easy for user to operate with 3s to turn on, 6s to splice, 15s to heat, clad to clad alignment with auto splice program.

18H is equipped with 3pcs large power LED lights, providing enough lights .

18H is equipped with V-groove, providing accurate core to core alignment .

18H is owing 90° dual cameras, recording splice from any view, much easy to work.



Configuration List



fiber fusion splicer host
machine (1 set)



fiber cleaver
(1 set)



large capacity battery
(1 piece)



power adapter
(1 set)



electrode
(1 pair)



carrying case
(1 set)



tray of fiber cleaver
(1 set)



carrying case straps
(1 set)



cleaning blower
(1 set)



alcohol bottle
(1 set)



fiber tray
(1 set)



brush(1 set)
phillips screwdriver(1 set)



operating instruction
(1 copy)



splicing test report
(1 copy)



dual port fiber stripper
【optional】



drop cable stripper
【optional】