

**SKYCOM Hi-Precision Digital Fusion Splicer  
T-208H**



## Description

- > Fusion splicer is used for joining two optical fibers end-to-end using heat, to fuse the two fibers together in such a way that light passing through the fibers is not scattered or reflected back by the splice, and so that the splice and the region surrounding it are almost as strong as the virgin fiber itself.
- > We have been dedicated to R & D, manufacturing fusion splicer from 2010, and successfully obtained 5 patents for the fusion splicer research. SKYCOM T-208H is our latest developed product. It is more concise and smaller in size and has obtained 2 patents for its new technologies.

## Key Features

- > 5 inches high resolution colorful LCD display, image can be turned according to position
  - > Average splice time: 9 seconds
  - > Average tube-heat time: 25 seconds
  - > Lithium battery: Rechargeable and up to 220 times of continuous splice and heat after fully charged
  - > X or Y axis **Separately** views with **360** times magnification, or Simultaneously **220** times
  - > **Cutting-edge** technology for image processing
  - > New developed technology providing strong wind and dust resistance
  - > Splicing mode: Auto & Manual & Full-Auto
  - > USB Port
  - > Storing 6,000 groups of latest splice results
  - > New technology of **fiber core alignment**, enhanced accuracy
  - > New **3-in-1** cutting fixture for rubber-insulated wire, pigtail & bare fiber (**Patented** technology)
  - > New **Multipurpose 1+N** fixture (**Patented** technology)
- \* 1+N: one 3-in-1 fixture ( for rubber-insulated wire, fiber optic pigtail, bare fiber) & optional fixtures ( for SC/LC/FC connector - T-208HF).

## Specification

Model	T-208H	
Applicable Fibers	SM, MM, NZ-DS, EDF, Pigtail, Cable (rubber-insulated wire)	
Average Splice Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(NZDS), 0.04dB(EDF)	
Return Loss	≥60dB	
Tension Test	2.0N(200gf)(Standard)	
Cladding Diameter	100-150um	
Coating Diameter	100-1000um	
Applicable cable	FTTH Drop Cable	
Cleave Length	9-16mm(φ 0.25mm) ,10-16mm(φ 0.9mm)	
Typical splicing time	9 seconds	
Typical heating time	25 seconds	
Splicing Program	50 groups	
Heating Program	10 groups	
Protection Sleeve Length	20mm, 40mm, 60mm	
Operating Language	Chinese, English, French, Portuguese, Spanish	
Operating Conditions	-30~+70°C(operation temperature), 0~95% RH(humidity), 0~5000m(altitude)	
Power Supply	AC input	AC adaptor: 100~240V input voltage, 50/60Hz;
	DC input	12V, 5A output voltage(DC)
	Battery	Inner lithium battery: 11.1V, 5200mAh, Up to 220 times splice and heat
Monitor	5 inches high resolution colorful LCD display	
Fiber Image Magnification	X or Y axis Separately views 360 times magnification, or Simultaneously 220 times	
Estimated Splice Loss	Available	
Cleaving angle detection	Available	
Automatic setting	camera	Available
	Forward motor	Available
Storage of Splice Result	6,000 groups of latest splice results	
Splicing Model	Auto & Manual & Full Auto	
Optical Fiber Fixture	3-in-1 cutting fixture; Multipurpose 1+N fixture (T-208HF, for SC/LC/FC connector)	
Dimensions	130(W)*135(D)*130(H)mm;	Package size: 53*32*30cm
Weight	1.75kg without battery / 2.1kg with battery	

## Standard Accessories

No.	Item	Quantity
1	Machine T-208H	1
2	Fiber Cleaver	1
3	Fiber Stripper	1
4	AC Adaptor (Charger)	1
5	Battery	1
6	Spare Electrodes	1
7	Cooling Tray	1
8	Instruction CD	1
9	Quick Reference Guide	1
10	Rubber-insulated wire stripping pliers	1
11	Rubber-insulated wire 3-in-1 cutting fixture	1
12	Carrying Case with Carrying Strap	1

