

Technical specifications

Size & Weight	D120 x W120 x H130(mm), 1.8kg (with battery)
Fiber alignment	4 motor core-to-core alignment
Fiber type	SM(ITU-T G.652, MM(ITU-T G.651), DS(ITU-T G.653), NZ/NZDS(ITU-T G.655), BI(ITU-T G.657)
Splice mode	Single fiber
Fiber diameter	Cladding diameter 80-150µm, coating diameter 100~3000µm
Cleave length	250µm cladding diameter 5~16mm, over 250µm cladding diameter 16mm
Splicing programs	100 modes
Splicing time	8 sec
Heating programs	30 modes
Heating time	25 sec
Splice protector	20~60mm
Splice image capture	Max. 2000
Splice data storage	Max. 6000
Splice loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DS) and 0.04dB (NZDS), BI: 0.02dB
Return loss	≥ 60dB
Loss estimation	Provided
Operation condition	Ititude 0-5000m, Humidity 0-95%, Temperature -10~+50°C
Storage condition	Temperature -40~+80°C
Tension	1.96~2.25N
Screen	4.3 inch high-light color LCD display, 90° bi-directional view
Fiber magnification	300x for X&Y dual axis view, 400x for X or Y single axis view
Port	High speed USB
Electrode life	5000 ARC discharges
Power supply	AC input: 100V ÷ 240VAC, 60MHz, DC input: 10 ÷ 15 VDC
Battery parameters	5200mAh High capacity battery, more than 180 times splicing and heating

Configuration list



TM OPTICS®

TM-16S



Product overview

TM-16S Fiber Optic Fusion Splicer is designed as a highly flexible instrument, sturdy structure, easy to use with 4 motor precise micron level control and low loss. TM-16S's 4.3 inch high-resolution color LCD touch screen, anti-reflective with user-friendly intuitive GUI offers large and clear fiber images to users. Fast 8 sec second splicing, 25 second heating features enable TM-16S to be an efficient tool for fiber installation and maintenance.

Product features

Automatically detecting fiber type and selecting the appropriate splicing mode

Counting and recording in a log file the number of times the splicing

Automatically diagnose the condition of the device before performing splicing

Automatically splicing/heating when closing the wind protection cover/heater cover

Measuring the difference in core diameter of the optical fiber used for splicing



4.3 inch touch screen



Shockproof 76cm
Dustproof: IP5X
Waterproof: IPX2



Splicing 8 sec
Heating 25 sec



5200 mAh
180 times



5000 ARC
Electrode life