

PRODUCT DATA SHEET

Optical Fiber Fusion Splicer

Description:

The Nitrotel NTFFSM-820 optical fiber fusion splicer is a high-performance and advanced fiber optic connectivity device designed specifically for the field of fiber optic communication. Equipped with 4 motors, it employs the latest optical technology and automated control systems to achieve fast and precise fiber fusion, providing reliable and efficient solutions for the construction and maintenance of fiber optic communication networks.



Specification:














Fiber Type:	SM (G.652 / G.657), MM (G.651), DS (G.653), NZDS (G.655), EDF, BIF / UBIF
Applicable Core:	Single core
Splice Time:	9 seconds (Typical Mode) 7 seconds (Fast Mode)
Alignment:	Core alignment Clad alignment
Loss:	0.02dB (SM), 0.01dB (MM), 0.04dB (DS), 0.04dB (NZDS)
Heating Time:	2.0mm tube (10 - 15 seconds adjustable) 4.0mm tube (14 - 19 seconds adjustable) 6.0mm tube (17 - 23 seconds adjustable)
Magnification Times	X/Y: 200 times X or Y: 400 times
Applicable Fiber Diameter	Cladding 100 - 150um Coating 100 - 1,000um
Splicing Mode	Prestore: 8 groups Customized: 792 groups
Result and Image Storage	10,000 groups
Return Loss	Better than 60dB
Splicing Loss Estimation	Exist
Power Supply	Input: 100 - 220V ± 10%, 1.4A, 50/60Hz Output: 13.5V / 5A
Battery	11.1V lithium battery, 5200mAh Typically splicing/heating 230 times Charging time 3 hours, 500 times rechargeable
Tension Test	≥ 2N (Optional)
Display	5 inches TFT true color HD LCD screen, support multi-language selection
Boot Time	2 seconds
Operation Environment	Altitude: 0 - 5,000 meters Relative humidity: 0 - 95% (No condensation) Temperature: -20°C - 55°C Maximum wind speed: 15m/s
Storage Conditions	Relative humidity 0 - 95% (No condensation) Temperature: -40°C - 80°C
Corrosiveness Resistance	The main device, components and their materials meet the requirements of GB/T 2423.54-2005 and are not vulnerable to the corrosiveness of fluid pollution
Applicable Sleeve Diameter	2.0mm, 3.0mm, 4.0mm, 6.0mm
Applicable Sleeve Length	60mm, 50mm, 45mm, 40mm, 25mm, 20mm
Heating Temperature	10 - 260°C (Customizable)
Automatic Heating	Auto fiber recognition and heating after covered
USB Port	USB 2.0
Illumination	LED double white light
Weight:	1.19 kg (without battery) 1.53 kg (with battery)
Dimension:	146*131*152mm (D*W*H)



Product Information:



Standard Package:

Fusion Splicer		Cleaver	
Plastic Tweezer		Battery	
Carrying Case		3-holes Stripper	
Drop Cable Stripper		Multi-function Fiber Holder	
Power Adapter		AC Power Cable	
Alcohol Bottle		Cooling Tray	
Dustblowing Ball		Electrode	