

PRODUCT DATA SHEET

Fiber Fusion Splicer

Description

The Nitrotel NTFFSM-820 fusion splicer sets the standard for core alignment fusion splicing by incorporating a user-friendly interface with enhanced features to provide a very rugged and reliable fusion splicer in the market today .

The NTFFSM-820 splices a fiber in 7 seconds and heats a 60 mm splice sleeve in 30 seconds. It adopts high-speed image processing technology and special precision positioning technology, automatically finish the whole process of fiber fusion in 8 seconds typically. digital 3.5 inch TFT LCD monitor displays all steps of fiber fusion clear at a glance.

Widely used for SM and MM Quartz Fiber.
Ideal tools for construction and maintenance of fiber and cable in both field and laboratory applications.

Support Chinese, English, Korean, Spanish, Russian, Deutsche and Portuguese languages.

Features:

- Rugged construction providing high resistance to impacts, dust and moisture.
- Core to core fiber alignment system (PAS)
- 7 seconds splicing time, 30 seconds tube-heat time
- Turn-over display screen to use conveniently
- Simultaneous X and Y views (380X magnification)
- Inner light to set fiber at night
- Auto check end face of fiber Auto calculate splicing loss
- Three power supply modes
- Screen menu for simple operation
- Auto calibration parameters



Parameter	VALUE
Model	NTFFSM-800
Applications	SM(ITU-T G.652), SM(ITU-T G.657), MM(ITU-T G.651), DS(ITU-T G.653), NZ-DS(ITU-TG.655), EDF
Cladding Diameter	80 to 150μm
Coating Diameter	100 to 1000μm
Fiber Cleaved Length	8~22mm (standard)
Splicing Mode	Auto & Manual
Average Fusion Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
Return Loss	≥60dB
Working Environment	-25C° ~ +50C° (Temperature), 0 ~95% RH (non-condensing), 0~5000m (altitude) Storage
Environment	-40C° ~ +80C° (Temperature), 0 ~ 95%RH (no condensation)
Protection Sleeve Length	20mm, 40mm, 60mm
Tension Test	2.0N(standard)
Language	Chinese, English, Korean, Spanish, Russian, Deutsche, Portuguese
Data Interface	USB interface
Storage Capacity	8000 results
Power Supply	DC input: 12V voltage Internal battery: 12V voltage, 10Ah, up to 300 times of continuous splices and heats
Dimensions and Weight	120 (W)×122(H)×130(D)mm, 2.0Kg (including internal battery)

Standard Package:

Fusion Splicer	NTFFSM-820	Cooling tray	NTFFSM-800-04
Internal battery	NTFFSM-800-01	Manual instruction	NTFFSM-800-05
Charger	NTFFSM-800-02	Carry case	NTFFSM-800-06
Spare electrodes	NTFFSM-800-03	Fiber stripper	CFS-2
Fiber cleaver	NTFOC20		