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Data Sheet

August 2, 2026

FUJIKURA

Fujikura FSM-62S+ Fusion Splicer

The Fujikura FSM-62S+ is a core alignment fusion splicer known for its ruggedness and reliability. It's designed for splicing single-mode and multimode fibers, offering fast splicing and heating times. Ideal for field applications, it features automated functions and a user-friendly interface, ensuring high-quality splices in various environments.



MODEL

Fujikura FSM-62S+

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FSM-62S+

LISTING

<https://aumictechlabs.com/products/fsm-62s-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fujikura FSM-62S+ is a core alignment fusion splicer for single-mode and multimode fiber optic splicing in field and installation environments. It delivers 0.02 dB average splice loss on SMF, completes splices in approximately 9 seconds, and protects joints with heat-shrink sleeves in 25 seconds. The splicer features 35× magnification on a 3.5-inch color LCD display, IP52 dust and water resistance, and withstands 76 cm drops onto concrete. Lithium-ion battery supports roughly 200 splice and heat cycles per charge. Data logging to internal memory (100 splices) or USB export enables documentation and analysis of every joint. Technical Specifications Fiber Alignment & Performance Core alignment method with applicable fibers: SMF (G.652/G.657), MMF (G.651), DSF (G.655), NZDSF (G.655) Average splice loss: SMF 0.02 dB, MMF 0.01 dB, DSF/NZDSF 0.04 dB Splice time: ~9 seconds (SMF/SMF, fast mode) Heating time: ~25 seconds (60 mm sleeve) Protection sleeves: 60 mm, 45 mm, micro-sleeve Electrode life: ~3,000 splices

Optical System Magnification: 35× (X-axis, Y-axis, simultaneous X/Y) Viewable fiber diameter: 100 µm to 150 µm Image sensor: CMOS camera Display: 3.5-inch color LCD Power & Environmental Battery: Lithium-ion, ~200 splices per charge AC supply: Direct connection via included adapter Operating temperature: -10°C to +50°C Operating humidity: 0% to 95% RH (non-condensing) Storage temperature: -40°C to +60°C IP52 rating Drop resistance: 76 cm onto concrete Physical & Interface Dimensions: 180 mm (W) × 150 mm (D) × 157 mm (H) Weight: ~2.5 kg (with battery) Data transfer: USB port for logging and firmware updates Key Features Automated wind cover and fiber position adjustment Internal memory stores up to 100 splice results with USB export capability Compact, field-portable design with carrying case Supplied with fiber cleaver, stripper, spare electrodes, and battery pack Typical Applications Telecommunications network installation and maintenance, data center fiber deployment, field splicing operations, and cable repair work requiring consistent low-loss joints and rapid heat cycles. Compatibility & Integration Accepts 60 mm and 45 mm protection sleeves. USB interface enables data retrieval and firmware updates across installations.

Features & description

From manufacturer datasheet

Features

• Active core alignment • Auto-start splice and tube heater • Bluetooth wireless tool communication • Typical SM 6-10 s depending on mode; about 23 s heat (FP-03) • Typical loss 0.02 / 0.01 / 0.04 / 0.04 dB (SM/MM/DS/NZDS) • About 200 splice/heat cycles; about 5000 electrode life • 4.7-inch TFT color LCD; front or rear monitor • Sheath clamp or fiber holder operation • Transit case doubles as workstation • Related: 62S (non-Plus); 70S+ (fully automated alternative)

FSM62S Characteristics / Specifications

PARAMETER	VALUE
Model	FSM-62S+ / 62S+
Manufacturer	Fujikura / AFL
Instrument Type	Active core-alignment fusion splicer
Applicable Fibers	SM (G.652 & G.657), MM (G.651.1), DS (G.653), CS (G.654), NZDS (G.655 & G.656), Erbium-doped
Cladding Diameter	80-150 μ m
Coating Diameter	100-1000 μ m
Cleave Length	5-16 mm
Typical Average Splice Loss	0.02 dB SM; 0.01 dB MM; 0.04 dB DS; 0.04 dB NZDS
Splicing Time	ULTRA FAST 6 s; SM FAST 7 s; SM AUTO 10 s (SM)
Arc Calibration	automatic real-time AUTO; manual available
Splicing Modes	100 preset and user programmable
Storage	last 10,000 results
Display	X, Y, or both; 4.7-inch TFT; magnification 320X single / 200X dual
Operating	0-5000 m; 0-95% RH; -10 to 50 C
Proof Test	1.96-2.25 N
Tube Heater	30 modes; auto-start; typically 23 s FP-03; 17 s FP3(40); 5-16 s micro; 15 s slim 60/40 mm
Sleeves	60 mm, 40 mm, micro
Battery Cycles	typically 200 with power save (BTR-09)
Electrode Life	5000 arc discharges (ELCT2-20A)
Power	100-240 VAC or 10-15 VDC with ADC-18; 14.8 V DC with BTR-09
Terminals	USB 1.1 (USB-B); Mini-DIN 6-pin for HJS-02/03; Bluetooth
Wind Protection	max 15 m/s
Dimensions	146 $\times$ 159 $\times$ 150 mm
Weight	2.5 kg with ADC-18; 2.7 kg with BTR-09 Standard Operating Conditions Pair Bluetooth-enabled preparation tools when available. Clean V-

PARAMETER	VALUE
	grooves. Charge BTR-09 with DCC-18/ADC-18. Replace electrodes near 5000 arcs. Operational Notes
Related	62S (non-Plus); 70S+ (fully automated alternative)

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance with a conventional wind protector and tube heater, as an alternative to the fully automated 70S+ platform. Auto-start for both splicing and tube heating minimizes process steps. Typical SM times are about 6 s ULTRA FAST, 7 s SM FAST, and 10 s SM AUTO. Typical heat is about 23 seconds with FP-03 sleeves. Typical average splice loss is 0.02 dB SM, 0.01 dB MM, and 0.04 dB DS/NZDS (cut-back). Bluetooth communicates with fiber-preparation tools. Battery capacity is typically about 200 splice/heat cycles; electrode life about 5000 arc discharges. Mirror-less optics and a severe-impact-resistant monitor support rugged field use.

Applications

Core-alignment single-fiber OSP and FTTx splicing; production and field work needing core-alignment loss without full 70S+ automation; Bluetooth tool maintenance with CT08/CT50 kits.

Key Features

- Active core alignment
- Auto-start splice and tube heater
- Bluetooth wireless tool communication
- Typical SM 6-10 s depending on mode; about 23 s heat (FP-03)
- Typical loss 0.02 / 0.01 / 0.04 / 0.04 dB (SM/MM/DS/NZDS)
- About 200 splice/heat cycles; about 5000 electrode life
- 4.7-inch TFT color LCD; front or rear monitor
- Sheath clamp or fiber holder operation
- Transit case doubles as workstation
- Related: 62S (non-Plus); 70S+ (fully automated alternative)

Technical Specifications

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Cladding Diameter	80-150 um
Coating Diameter	100-1000 um
Cleave Length	5-16 mm
Typical Average Splice Loss	0.02 dB SM; 0.01 dB MM; 0.04 dB DS; 0.04 dB NZDS
Splicing Time	ULTRA FAST 6 s; SM FAST 7 s; SM AUTO 10 s (SM)
Arc Calibration	automatic real-time AUTO; manual available
Splicing Modes	100 preset and user programmable
Storage	last 10,000 results
Display	X, Y, or both; 4.7-inch TFT; magnification 320X single / 200X dual
Operating	0-5000 m; 0-95% RH; -10 to 50 C
Proof Test	1.96-2.25 N

PARAMETER	VALUE
Tube Heater	30 modes; auto-start; typically 23 s FP-03; 17 s FP3(40); 5-16 s micro; 15 s slim 60/40 mm
Sleeves	60 mm, 40 mm, micro
Battery Cycles	typically 200 with power save (BTR-09)
Electrode Life	5000 arc discharges (ELCT2-20A)
Power	100-240 VAC or 10-15 VDC with ADC-18; 14.8 V DC with BTR-09
Terminals	USB 1.1 (USB-B); Mini-DIN 6-pin for HJS-02/03; Bluetooth
Wind Protection	max 15 m/s
Dimensions	146 x 159 x 150 mm
Weight	2.5 kg with ADC-18; 2.7 kg with BTR-09

Standard Operating Conditions

Pair Bluetooth-enabled preparation tools when available. Clean V-grooves. Charge BTR-09 with DCC-18/ADC-18. Replace electrodes near 5000 arcs.

Operational Notes

Confirm 62S+ vs base 62S and vs 70S+ automation level on the faceplate.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.