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Data Sheet

August 2, 2026

FUJIKURA

Fujikura FSM-15S Arc Fiber Optic Fusion Splicer

The Fujikura FSM-15S is a compact and reliable arc fusion splicer designed for splicing single-mode and multimode optical fibers. It features a solid construction, automated splicing functions, and a user-friendly interface, making it suitable for field and laboratory applications. The FSM-15S delivers consistent, low-loss splices with rapid cycle times, enhancing productivity and minimizing downtime. Its portability and durability make it ideal for various environments.



MODEL

Fujikura FSM-15S

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FSM-15S

LISTING

<https://aumictechlabs.com/products/fsm-15s-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fujikura FSM-15S is an arc fusion splicer for precision joining of single-mode and multimode optical fibers in field and laboratory environments. It delivers consistent low splice loss through precision V-groove alignment, with typical values of 0.045 dB for SM fiber and 0.02 dB for GI fiber. The splicer accepts 250 and 900 micron coated fibers and requires 8 to 16 mm cleaved length per fiber. A built-in 3-inch LCD monitor with 100X magnification CCD viewing enables real-time dual-axis (X and Y) observation during splicing. Microprocessor-driven image processing performs automated splicing and loss estimation across all supported fiber types. Technical Specifications Applicable Fibers: SM (ITU-T G.652), GI (ITU-T G.651), DS (ITU-T G.653) Fiber Coating Diameters: 250 and 900 microns Cleaved Fiber Length: 8 to 16 mm per fiber Typical

Splice Loss: 0.045 dB (SM), 0.02 dB (GI), 0.08 dB (DS, cleave angle $\leq 1^\circ$) Return Loss: >60 dB
Viewing Magnification: 100X simultaneous X and Y axes Display: 3-inch LCD monitor with CCD camera Splicing Programs: 30 total (10 SM, 10 GI, 10 DS) Splice Result Storage: Last 100 splices
Altitude Compensation: 0 to 3500 meters Mechanical Proof Test: 200 g standard; 450 g optional
Splice Protectors: 60 mm heat shrinkable or 40 mm with SPA Key Features Built-in tube heater for splice protection sleeve installation Automated splice loss estimation on SM, GI, and DS fibers
Single-fiber-to-single-fiber splicing architecture Field-rated construction for portable deployment
Power Options BTR-02 battery with BTC-01 charger BTA-01 camcorder battery adapter (optional) ADC-06 AC/DC converter (optional)
Compatibility & Integration The FSM-15S supports ITU-T fiber standards G.652, G.651, and G.653 with return loss exceeding 60 dB, making it suitable for SM and MM network splicing across standard and specialty fiber applications.

Features & description

From manufacturer datasheet

Features

- Arc fusion splicer for SM and MM fiber
- Internal about 3-inch LCD monitor
- Built-in tube heater for protection sleeves
- Automated splicing via image processing
- Automated splice-loss estimation
- Compact legacy Fujikura single-fiber platform

FSM15S Characteristics / Specifications

PARAMETER	VALUE
Model	FSM-15S
Manufacturer	Fujikura
Instrument Type	Arc fusion splicer (single fiber)
Fiber Types	Single-mode and multimode
Fiber Count	Single
Display	Internal LCD monitor (about 3 inch)
Functions	Automatic splice; image-processing loss estimation; built-in tube heater
Related Era	Predecessors/siblings in FSM-10/15/16/20 class legacy line Standard Operating Conditions Clean optics and V-grooves. Useamatched cleaver. Replace electrodes per Fujikura intervals for this generation. Operational Notes Confirm FSM-15S faceplate marking. Do not invent unverified typical-loss dB tables for this model without an OEM sheet for the exact revision.

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.

Specifications

Specifications

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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

788 S 500 E, Pleasant Grove, UT 84062
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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.