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Data Sheet

August 2, 2026

FUJIKURA

Fujikura FSM-20CS SM MM Fiber Arc Fusion Splicer

The Fujikura FSM-20CS is a compact and reliable arc fusion splicer designed for both single-mode (SM) and multimode (MM) optical fibers. It features automated fiber alignment and splicing, providing consistent and low-loss splices. Ideal for field and lab use, this splicer ensures efficient fiber connectivity.



MODEL

Fujikura FSM-20CS

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FSM-20CS

LISTING

<https://aumictechlabs.com/products/fsm-20cs-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fujikura FSM-20CS is an arc fusion splicer engineered for precise splicing of single-mode and multimode optical fibers. It delivers consistently low-loss splices through automated fiber alignment, enabling core-to-core or cladding alignment without manual intervention. The unit accommodates various splice protection sleeves and operates from rechargeable battery or AC power, making it suitable for both field deployment and laboratory environments. Its compact, lightweight construction and integrated display facilitate efficient fiber optic network installation and maintenance across diverse operational scenarios. Technical Specifications Applicable Fibers: Single-mode (SM) and multimode (MM) optical fibers Splicing Method: Arc fusion splicing Alignment System: Automated fiber alignment for precise core-to-core or cladding alignment

Splice Loss: Consistently low splice loss performance Splice Protection: Accommodates various splice protection sleeves Power Source: Rechargeable battery pack and/or AC power adapter Display: Integrated display for process monitoring and results User Interface: Intuitive controls for operation Key Features Automated alignment system eliminates manual positioning errors Dual-fiber-type capability (SM and MM) reduces inventory requirements Field and laboratory-rated design withstands deployment conditions Lightweight, portable construction for on-site operations Durable casing engineered for field reliability Typical Applications Fiber optic network installation and maintenance Field splicing operations Laboratory fiber connectivity Network construction and repair Compatibility & Integration Compatible with SMF-28, G.652, G.655, and various MM fiber types Accepts standard splice protection sleeves Supports both battery and AC power operation for flexible deployment

Features & description

From manufacturer datasheet

Features

- Profile Alignment System (PAS)
- SM core alignment; MM cladding alignment
- Automatic alignment, fusion, and loss estimation
- Built-in monitor with cleave angle and estimated loss display
- Atmosphere, humidity, and temperature compensation
- About 3-inch LCD with good outdoor visibility (OEM/dealer descriptions)
- Internal memory for splice data (about 100 sets class)
- High-intensity halogen inspection lamp (dealer descriptions)

FSM20CS Characteristics / Specifications

PARAMETER	VALUE
Model	FSM-20CS
Manufacturer	Fujikura
Instrument Type	PAS arc fusion splicer (single fiber)
Fiber Types	Single-mode and multimode
Fiber Count	Single
Alignment	PAS – SM core; MM cladding
Functions	Automatic alignment, fusion, splice loss estimation; cleave angle display
Compensation	Atmosphere, humidity, temperature
Display	Built-in LCD monitor (about 3 in class)
Memory	about 100 splice data sets (internal)
Related Model	FSM-20CSII (successor variant) Standard Operating Conditions Clean optics and V-grooves. Useamatched cleaver. Allow compensation sensors to stabilize in outdoor conditions. Replace electrodes per Fujikura intervals. Operational Notes

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	
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Operational Notes	
Confirm FSM-20CS vs FSM-20CSII on the faceplate. Detailed cut-back loss tables for the 20CS are less commonly published than for later 18S/40S models–quote PAS capability and SM/MM support from the unit rather than inventing unverified dB figures.	

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.