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Data Sheet

August 2, 2026

FUJIKURA

Fujikura FSM-20C Fiber Fusion Splicer

The Fujikura FSM-20C is a compact and lightweight fiber fusion splicer designed for splicing single-mode and multimode fibers. It features a core alignment system for precise splicing and a fast heating time for efficient operation. Ideal for field use and environments where space is limited.



MODEL

Fujikura FSM-20C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FSM-20C

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fujikura FSM-20C Fiber Fusion Splicer is a compact, lightweight instrument engineered for permanent splicing of single-mode and multimode optical fibers using arc fusion technology. It delivers low-loss connections suitable for field deployment and space-constrained environments. The splicer incorporates a Profile Alignment System (PAS) for precise core alignment of SM fibers and cladding alignment of MM fibers, with integrated splice loss estimation and real-time monitoring via an integrated display. Technical Specifications Fiber Compatibility: Single-mode (SM) and multimode (MM) optical fibers Splicing Method: Arc fusion splicing Alignment System: Profile Alignment System (PAS) for SM core alignment and MM cladding alignment Splice Loss Estimation: Built-in calculation capability Splice Modes: Preset splicing modes with configurable parameters including arc power, arc time, forward, prefuse, gap, and ECF Display: Integrated monitor for fiber alignment and splice parameter visualization Environmental Compensation:

Atmospheric, humidity, and temperature compensation functions Power Input: AC 85–265V (50/60 Hz) or DC 10–15V Key Features Arc fusion process creates permanent, low-loss connections Fast heating time for efficient field operations Splice loss estimation function guides quality control Real-time display monitoring of alignment and parameters Environmental compensation ensures consistent performance across varying field conditions Requires paired electrode replacement per manufacturer specification Typical Applications Field fiber splicing and restoration Network installation in space-limited environments Single-mode and multimode fiber interconnection Temporary and permanent splice applications Compatibility & Integration Operates on standard AC (85–265V, 50/60 Hz) and DC (10–15V) power sources. Compatible with both SM and MM fiber types. Cleaning of optical components requires pure alcohol (99% or greater).

Features & description

From manufacturer datasheet

Features

- FSM-20 family single-fiber arc fusion splicer
- Profile Alignment System (PAS) class architecture (CS lineage)
- Automatic alignment, fusion, and loss estimation (family)
- Compact LCD monitor for field use
- Environmental compensation on related CS models
- Built-in tube heater (family)

FSM20C Characteristics / Specifications

PARAMETER	VALUE
Model	FSM-20C
Manufacturer	Fujikura
Instrument Type	Arc fusion splicer (single fiber, FSM-20 family)
Fiber Types	Single-mode and multimode (typical FSM-20 listings)
Fiber Count	Single
Alignment	PAS class – SM core / MM cladding (confirm on unit vs CS)
Related Models	FSM-20CS, FSM-20CSII, FSM-20RS (ribbon) Standard Operating Conditions Clean optics and V-grooves. Useamatched cleaver. Replace electrodes per Fujikura intervals. Operational Notes Primary published datasheets often list FSM-20CS rather than bare FSM-20C–verify PAS features and installed options on the faceplate. Do not invent unverified cut-back loss figures for the C-only marking.

FSM20C Specifications

PARAMETER	VALUE
Applications	Field and laboratory SM/MM single-fiber fusion splicing; telecom construction and maintenance on compact FSM-20 class machines.
Key Features	- FSM-20 family single-fiber arc fusion splicer
Technical Specifications	Model: FSM-20C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Manufacturer	Fujikura
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Fiber Types	Single-mode and multimode (typical FSM-20 listings)
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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.

Environmental compensation on related CS models

- Built-in tube heater (family)

Technical Specifications

Technical Specifications

PARAMETER	VALUE
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Standard Operating Conditions

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Operational Notes

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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

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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.