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Data Sheet

August 13, 2026

FUJIKURA

Fujikura FSM-30P Arc Fusion Splicer with Cleaver

The Fujikura FSM-30P Arc Fusion Splicer is a compact and reliable tool for splicing optical fibers. It features a precise arc fusion process, ensuring low-loss splices. Includes cleaver for preparing fibers. Ideal for field and lab use.



MODEL

Fujikura FSM-30P

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FSM-30P

LISTING

<https://aumictechlabs.com/products/fsm-30p-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fujikura FSM-30P Arc Fusion Splicer is engineered for precision and durability in optical fiber splicing. This kit includes a fiber cleaver, enabling technicians to prepare fibers with clean, flat ends essential for optimal splicing. The FSM-30P utilizes an arc fusion method to create strong, low-loss splices, suitable for a variety of fiber types. Its compact design makes it ideal for both field and laboratory environments.

Features & description

From manufacturer datasheet

Features

- Core-to-core PAS alignment (FSM-30S class optical method)
- Simultaneous X/Y view observation
- Wide arc profile for dissimilar fiber splicing
- Mechanical in-line proof tester
- Splice loss estimator with adjustable modes
- Arc test / arc-time control functions
- Fiber holder system for production use

Applications

- Factory and lab single-fiber fusion splicing
- SM, MM, DS, CS, Er-doped, and dispersion-compensation fiber joins
- Production splicing with fiber holders and proof testing
- Dissimilar-fiber and MFD-mismatch splicing programs

FSM30P Characteristics / Specifications

PARAMETER	VALUE
Model	FSM-30P
Manufacturer	Fujikura
Instrument Type	Arc Fusion Splicer
Alias	FSM-30P; Fujikura FSM-30P; FSM-30PF class
Alignment method	Core alignment (PAS / core-to-core)
Applicable fibers	SM, MM, DS, CS, Er-doped, dispersion compensation
Cleave length class (30S family)	8 to 16 mm
Coating diameter class	250 to 900 um
Proof tester	Mechanical in-line; strength class ~200 g (30S literature)
Monitor	CCD with LCD monitor (4 in class on 30S)
Interface	RS-232C class
Operating temperature class	-10 degC to +50 degC
Dimensions class (30S)	21 cmWx 18.7 cmDx 17 cmHMass class (30S): about 8.0 kg
Attenuation splice control class	intentional loss programs available on series Notes Numeric values drawn from Fujikura FSM-30P/30PF and closely related FSM-30S series literature. Confirm exact firmware options and cleaver kit on the unit.
Attenuation	splice control class: intentional loss programs available on series
Operating temperature	class: -10 degC to +50 degC
Return loss	class (30-series literature): 60 dB

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	class: -10 degC to +50 degC
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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.

Specifications	
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Manufacturer	Fujikura
Instrument Type	Arc Fusion Splicer
Alias	FSM-30P; Fujikura FSM-30P; FSM-30PF class
Alignment method: Core alignment (PAS / core-to-core) Applicable fibers: SM, MM, DS, CS, Er-doped, dispersion compensation Typical splice loss SM (ITU-T G.652 identical): 0.02 dB (cut-back) Typical splice loss MM (ITU-T G.651 identical): 0.01 dB (cut-back) Typical splice loss DS (ITU-T G.653 identical): 0.05 dB (cut-back) Return loss class (30-series literature): 60 dB	
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
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.