

**Aumictech**

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Data Sheet

August 2, 2026

FUJIKURA

Fujikura FSM-16S Fusion Splicer

The Fujikura FSM-16S is a core alignment fusion splicer, known for its reliability and precision in splicing single-mode and multimode fibers. It features automatic fiber alignment and splicing, resulting in low-loss splices. Compact and robust, the FSM-16S is suitable for field and lab use.



MODEL

Fujikura FSM16S

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FSM16S

LISTING

<https://aumictechlabs.com/products/fsm16s-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fujikura FSM-16S is a core alignment fusion splicer designed for splicing single-mode and multimode optical fibers. It uses a core alignment system to achieve low-loss splices. The FSM-16S is known for its reliability and is suitable for various environments.

Features & description

From manufacturer datasheet

Features

- Single-fiber arc fusion splicer • Clad-to-clad / fixed V-groove alignment • Applicable fibers: SM, MM, DS (typical Fujikura FSM-16S listings) • Fully automatic operation with splice loss estimation • Simultaneous X and Y fiber observation • Color LCD monitor (about 5 in class) • Wind protector for outdoor splicing • Compact, lightweight portable form • Battery and AC power options

FSM16S Characteristics / Specifications

PARAMETER	VALUE
Model	FSM-16S
Manufacturer	Fujikura / AFL
Instrument Type	Single-fiber fusion splicer (cladding alignment class)
Fiber Types	Single-mode, multimode, dispersion-shifted (typical listings)
Fiber Count	Single
Alignment Method	Clad-to-clad with precise V-groove
Display	High-resolution color LCD; simultaneous X/Y view
Return Loss	greater than 60 dB class (Fujikura single-fiber family)
Power	AC adapter and NiMH battery options (e.g. BTR-05 class kits)
Operation	Fully automatic with loss estimation Standard Operating Conditions Clean V-grooves and fiber endfaces. Useamatched cleaver and appropriate coating clamps/holders. Observe electrode life and replace per Fujikura intervals. Protect from excessive wind beyond the wind-cover rating.
Applicable fibers	SM, MM, DS (typical Fujikura FSM-16S listings)

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

PARAMETER	VALUE
Model	FSM-16S
Manufacturer	Fujikura / AFL
Instrument Type	Single-fiber fusion splicer (cladding alignment class)
Fiber Types	Single-mode, multimode, dispersion-shifted (typical listings)
Fiber Count	Single
Alignment Method	Clad-to-clad with precise V-groove
Display	High-resolution color LCD; simultaneous X/Y view

Typical Average Splice Loss (cladding-alignment family class, cut-back): about 0.05 dB SM; about 0.02 dB MM; about 0.08 dB DS/NZDS class – confirm against FSM-16S manual for this unit

Specifications

PARAMETER	VALUE
Return Loss	greater than 60 dB class (Fujikura single-fiber family)
Power	AC adapter and NiMH battery options (e.g. BTR-05 class kits)
Operation	Fully automatic with loss estimation

Standard Operating Conditions

Clean V-grooves and fiber endfaces. Useamatched cleaver and appropriate coating clamps/holders. Observe electrode life and replace per Fujikura intervals. Protect from excessive wind beyond the wind-cover rating.

Operational Notes

User title says "SM MM" – confirm DS capability on the installed firmware/modes. Do not quote active core-alignment loss figures from the 62S/70S families for the FSM-16S. Inventory whether fiber holders or sheath clamps are included.

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.