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Data Sheet

August 2, 2026

FUJIKURA

Fujikura FSM-16R Ribbon Fusion Splicer

Aumictech offers NIST-traceable calibration and repair for the Fujikura FSM16R. Calibration covers arc calibration (arc power and duration), V-groove alignment verification, cleave angle detection accuracy, splice loss estimation accuracy, and heating oven temperature calibration. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Common Fujikura FSM16R faults: electrode wear, V-groove contamination or chipping, motor alignment drift, high arc voltage errors. Common repairs include electrode replacement (typically every 2,000-3,000 arcs), V-groove cleaning or replacement, motor and actuator alignment, and camera/CCD replacement. Fujikura FSM and Sumitomo Type series parts are stocked. This Fujikura FSM16R is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multipl



MODEL

Fujikura FSM16R

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FSM16R

LISTING

<https://aumictechlabs.com/products/fsm16r-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fujikura FSM-16R is a compact, lightweight ribbon fiber fusion splicer. This splicer can splice ribbon cables with up to 12 fibers. The FSM-16R features precise core alignment, ensuring low-loss splices. It has fast splicing and heating cycles, improving efficiency. The user-friendly interface and automated functions simplify the splicing process. The solid design makes it suitable for both field and laboratory environments.

Features & description

From manufacturer datasheet

Features

- Fixed V-groove ribbon splicer; 1 to 4 fibers
- Typical loss 0.05 dB SM / 0.03 dB GI / 0.08 dB DS
- About 5-inch color LCD; CCD X/Y viewing
- Automatic altitude compensation to about 3500 m
- About 30 splice programs; latest 250 results stored
- High wind shielding; compact for aerial work
- Built-in tube heater for 40 mm and 60 mm sleeves
- AC/DC with ADC-07; battery pack options

FSM16R Characteristics / Specifications

PARAMETER	VALUE
Model	FSM-16R (also listed FSM-16R4 class)
Manufacturer	Fujikura
Instrument Type	Fixed V-groove ribbon fusion splicer
Applicable Fibers	SM (G.652), GI (G.651), DS (G.653)
Fiber Count	Single to single; 2 to 2; 4 to 4 (ribbon or bundle)
Typical Average Splice Loss	0.05 dB SM; 0.03 dB GI; 0.08 dB DS
Return Loss	greater than 60 dB
Cleave Length	10 mm each
Viewing	X and Y axes; CCD and LCD (about 5 inch)
Splice Programs	30
Storage	latest 250 splice results
Altitude Compensation	0-3500 m
Proof Test	2 N
Power	12 V DC from battery (BTR-04/BTR-05 class); 100-240 VAC with ADC-07
Sleeves	40 mm and 60 mm
Dimensions	150 × 150 × 150 mm
Weight	about 3.1 kg with BTR-05; about 2.8 kg with ADC-07
Battery Cycles	about 30 splices per charge (HJS-02 power-save mode class)
Related Holders	FH-4 ribbon; FH-2 / FH-250 single-fiber class Standard Operating Conditions Use matching FH-4 (or equivalent) holders for ribbon count. Clean V-grooves thoroughly between ribbon splices. Charge with ADC-07 per Fujikura guidance. Replace electrodes at recommended intervals.

FSM16R Specifications

PARAMETER	VALUE
Key Features	- Fixed V-groove ribbon splicer; 1 to 4 fibers
Technical Specifications	Model: FSM-16R (also listed FSM-16R4 class)
Operational Notes	Catalog also lists Ericsson FSM-16R — match Fujikura branding on the unit. Confirm 4-fiber max vs later 12-fiber ribbon machines.

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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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.