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Data Sheet

August 2, 2026

FUJIKURA

Fujikura FSM-30R12 SM MM Single & Ribbon Fiber Fusion Splicer w/ Cleaver Tested

The Fujikura FSM-30R12 is a fusion splicer designed for both single and ribbon fiber splicing. It supports both single-mode (SM) and multi-mode (MM) fibers, offering versatile splicing capabilities. This unit includes a cleaver and has been tested to ensure optimal performance.

**MODEL****Fujikura FSM-30R12****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****FSM-30R12****LISTING**<https://aumictechlabs.com/products/fsm-30r12-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fujikura FSM-30R12 is a mass fusion splicer engineered for high-productivity splicing of single fibers and ribbon configurations up to 12 fibers simultaneously. It handles single-mode (SM), multi-mode (MM), dispersion-shifted (DS), and non-zero dispersion-shifted (NZ-DS) fibers with typical splice losses of 0.04 dB (SM), 0.02 dB (MM), and 0.07 dB (NZ-DS). The unit achieves 12-fiber splicing in 30 seconds and features a programmable tube heater - twice as fast as previous generations - supporting both 40 mm and 60 mm splice protection sleeves. Its compact 150 mm × 150 mm × 150 mm footprint and integrated wind protector (rated to 30 mph crosswinds) enable reliable operation in remote and outdoor environments. Technical Specifications Applicable Fibers: Single-mode (SM), multi-mode (MM), dispersion-shifted (DS), non-zero dispersion-shifted (NZ-DS) Splice Capacity: Single, 2, 4, 5, 6, 8, 10, and 12 fibers simultaneously; ribbon and bundle

configurations supported Splice Loss (Typical): 0.04 dB (SM), 0.02 dB (MM), 0.07 dB (NZ-DS)
Return Loss: > 60 dB Splicing Time: 30 seconds for 12 fibers Tube Heater: Programmable; heating time typically 40 seconds (FP-04(T)) and 45 seconds (FP-05) sleeves Fiber Cleaved Length: 10 mm Mechanical Proof Test: 2 N Arc Adjustment: Automatic compensation for atmospheric pressure and temperature variations Splice Modes: 24 pre-programmed, 30 user-programmableKey Features 5-inch color LCD monitor with 40X magnification and low-glare optics External RCA jack for NTSC video output Wind protector rated for 30 mph crosswinds Modular power bay: AC adapter (100–240 VAC, 50/60 Hz) or 12 V 2.0 Ah battery pack Battery performance: Approximately 30 splice cycles per charge Compact dimensions: 150 mm × 150 mm × 150 mm; weight 2.8 kg (AC adapter), 3.2 kg (battery), 3.3 kg (with jacket stripper)Compatibility & Integration Accepts slide-in modular power units for AC or DC operation. Supports optional 12 V camcorder battery adapters. RCA video interface enables external monitoring and documentation.

Features & description

From manufacturer datasheet

Features

- Mass fusion up to 12-fiber ribbon; also single fiber
- Typical splice loss about 0.04 dB SM / 0.02 dB MM / 0.07 dB NZ-DS
- About 30-second typical splice time
- Wind protection hood; altitude compensation to about 3500 m
- 5-inch color LCD; about 40X magnification
- Slide-in modular battery or AC adapter bay
- About 24 pre-programmed and 30 user-programmable splice modes
- Compact about 150 mm cube form factor

FSM30R12 Characteristics / Specifications

PARAMETER	VALUE
Model	FSM-30R / FSM-30R12
Manufacturer	Fujikura / AFL
Instrument Type	Mass / ribbon arc fusion splicer
Fiber Types	SM, MM, NZ-DS, DS
Fiber Count	Single and 2, 4, 6, 8, 10, or 12 fibers simultaneously
Typical Splice Loss	0.04 dB SM; 0.02 dB MM; 0.07 dB NZ-DS (typical)
Return Loss	greater than 60 dB
Splicing Time	typically about 30 s
Tube Heater	40 mm mass sleeves; 40/60 mm single-fiber sleeves; micro/mini; about 10 programmable heater modes
Altitude Compensation	automatic to about 3500 m (11,500 ft)
Display	5-inch color LCD; about 40X; RCA NTSC out
Battery Cycles	about 30 splices per charge including heater and hot jacket stripper use
Operating Temperature	-10 to +50 C
Storage Temperature	-40 to +80 C
Power	slide-in 12 V 2.0 Ah battery or AC adapter 100-240 VAC; optional camcorder battery adapter
Dimensions	about 150 × 150 × 150 mm
Weight	about 2.8 kg with AC adapter; 3.2 kg with battery
Related Holders	FH-12 (12-fiber); 250 um and 900 um single-fiber holders Standard Operating Conditions Install matching ribbon holders and cleaver. Clean V-grooves for multi-fiber. Use wind hood outdoors. Observe electrode and battery intervals.

FSM30R12 Specifications

PARAMETER	VALUE
Key Features	- Mass fusion up to 12-fiber ribbon; also single fiber
Technical Specifications	Model: FSM-30R / FSM-30R12
Operational Notes	User title "FSM-30R" corresponds to the FSM-30R12 mass splicer family. Confirm fiber-count capability and included holders on the unit.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to +80 C
Operating temperature	10 to +50 C
Operating Temperature	10 to +50 C
Power	slide-in 12 V 2.0 Ah battery or AC adapter 100-240 VAC; optional camcorder battery adapter
Dimensions	about 150 × 150 × 150 mm
Weight	about 2.8 kg with AC adapter; 3.2 kg with battery
Related Holders	FH-12 (12-fiber); 250 um and 900 um single-fiber holders Standard Operating Conditions Install matching ribbon holders and cleaver. Clean V-grooves for multi-fiber. Use wind hood outdoors. Observe electrode and battery intervals.

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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Standard Operating Conditions	
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Operational Notes	
User title "FSM-30R" corresponds to the FSM-30R12 mass splicer family. Confirm fiber-count capability and included holders on the unit.	

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.