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Data Sheet

August 8, 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

• Fibers: SM, MM, NZ-DS, DS; single fiber or ribbons 2/4/6/8/10/12 • Alignment: fixed V-groove cladding alignment • Typical splice loss: 0.04 dB SM; 0.02 dB MM; 0.07 dB NZ-DS • Return loss: >60 dB • Splice time: ~30 s class • Modes: 24 pre-programmed + 30 user programmable • Display: 5" color LCD, 40× magnification; NTSC video out • Tube heater: 40 mm mass sleeves; 40/60 mm single; micro sleeves; 10 heater modes • Altitude compensation: automatic to 3500 m • Power: slide-in AC adapter 100–240 VAC or 12 V 2 Ah battery (~30 splice+heat cycles) • Size/weight: 150×150×150 mm; 2.8 kg (AC) / 3.2 kg (battery) • Operating: –10 to +50 °C • Includes cleaver (catalog "w/ Cleaver Tested")

FSM30R12 Characteristics / Specifications

PARAMETER	VALUE
Model	FSM-30R12
Manufacturer	Fujikura
Instrument Type	Single & Ribbon Fiber Fusion Splicer
Family	Fujikura FSM-30R Mass Fusion
Alias	FSM-30R12; Fujikura 30R12 Optical / Mechanical Cladding alignment; 1-12 fiber; ~30 s; SM/MM/NZ-DS Operational Notes Prefer Fujikura FSM-30R12 datasheet. Confirm cleaver model and ribbon holders with the unit. Cladding alignment – not core alignment.
Fibers	SM, MM, NZ-DS, DS; single fiber or ribbons 2/4/6/8/10/12
Alignment	fixed V-groove cladding alignment
Typical splice loss	0.04 dB SM; 0.02 dB MM; 0.07 dB NZ-DS
Return loss	>60 dB
Splice time	~30 s class
Modes	24 pre-programmed + 30 user programmable
Display	5" color LCD, 40× magnification; NTSC video out
Tube heater	40 mm mass sleeves; 40/60 mm single; micro sleeves; 10 heater modes
Altitude compensation	automatic to 3500 m
Power	slide-in AC adapter 100–240 VAC or 12 V 2 Ah battery (~30 splice+heat cycles)
Size/weight	150×150×150 mm; 2.8 kg (AC) / 3.2 kg (battery)
Operating	–10 to +50 °C

FSM30R12 Specifications

PARAMETER	VALUE
Key Features	- Fibers: SM, MM, NZ-DS, DS; single fiber or ribbons 2/4/6/8/10/12
Technical Specifications	Model: FSM-30R12
Optical / Mechanical	Cladding alignment; 1–12 fiber; ~30 s; SM/MM/NZ-DS
Operational Notes	Prefer Fujikura FSM-30R12 datasheet. Confirm cleaver model and ribbon holders with the unit. Cladding alignment — not core alignment.

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-30R12
Manufacturer	Fujikura
Instrument Type	Single & Ribbon Fiber Fusion Splicer
Family	Fujikura FSM-30R Mass Fusion
Alias	FSM-30R12; Fujikura 30R12

Optical / Mechanical

Cladding alignment; 1-12 fiber; ~30 s; SM/MM/NZ-DS

Operational Notes

Prefer Fujikura FSM-30R12 datasheet. Confirm cleaver model and ribbon holders with the unit. Cladding alignment - not core alignment.

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
<https://aumictechlabs.com>

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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.