Aumictech
Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 2, 2026

FUJIKURA

Fujikura 70R+ SM MM Ribbon Fiber Fusion Splicer

Fujikura 70R+ SM MM Ribbon Fiber Fusion Splicer The Fujikura 70R+ (FSM-70R+) isaruggedized fixed V-groove ribbon fusion splicer for single fiber and ribbon up to 12 fibers. It builds on the FSM-70R platform with Bluetooth wireless communication to fiber-preparation tools, automated programmable wind protector, and an auto-start clamshell tube heater. Typical SM splice time is about 15 seconds; typical heat for 12-fiber FP-5 sleeves is about 40 seconds (about 55 seconds total). Typical average splice loss is 0.05 dB SM, 0.02 dB MM, 0.08 dB DS, and 0.08 dB NZDS (cut-back). Battery capacity is typically about 110 splice/heat cycles with power save. The Fujikura 70R+ (FSM-70R+) isaruggedized fixed V-groove ribbon fusion splicer for single fiber and ribbon up to 12 fibers. It builds on the FSM-70R platform with Bluetooth wireless communication to fiber-preparation tools, automated programmable wind protector, and an auto-start clamshell tube heater. Typical SM splice time is about 15 seconds; typical heat for 12-fiber FP-5 sleeves is about 40 seconds (about 55 seconds total). Typical average splice loss is 0.05 dB SM, 0.02 dB MM, 0.08 dB DS, and 0.08 dB NZDS (cut-back). Battery capacity is typically about 110 splice/heat cycles with power save. Ribbon and single-fiber OSP splicing up to 12 fibers; FTTx and backbone ribbon work; kits with CT30 cleaver and RS03 stripper Bluetooth too

MODEL **Fujikura 70R+**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **70R+**	LISTING **https://aumictechlabs.com/products/70r-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fujikura 70R+ is a core alignment fusion splicer engineered for ribbon fiber optic cables in both single-mode and multimode configurations. It delivers automated splicing and heating cycles to reduce operator workload while maintaining precise fiber alignment and low splice loss - essential for signal integrity in optical networks. Built for field durability, the 70R+ withstands challenging environmental conditions and integrates a long-life battery for sustained field operation. Technical Specifications Fiber Compatibility Single-mode (SM) and Multimode (MM) fibers Ribbon fiber splicing capability Core alignment system for precise fiber positioning Performance Low splice loss for networks Automated splicing and heating cycles Integrated display for real-time splicing status and results Power & Field Operation Long-life battery for extended field use Rugged construction for diverse environmental conditions Key Features Core alignment method ensures consistent, repeatable splice quality Automated process reduces manual intervention and operator fatigue Integrated heating cycle for protective sleeve installation Intuitive controls and real-time status feedback Typical Applications optical network deployment and maintenance Laboratory splicing of ribbon fiber configurations Field infrastructure upgrades requiring multimode and single-mode compatibility Compatibility & Integration Compatible with various fiber holders for different ribbon fiber configurations Accepts standard splice protection sleeves

Features & description

From manufacturer datasheet

Features

• Fixed V-groove; single and ribbon up to 12 fibers • Bluetooth wireless tool communication • Automated programmable wind protector • Auto-start clamshell tube heater; about 40 s FP-5 (12-fiber) • Typical 15 s SM splice • Typical loss 0.05 / 0.02 / 0.08 / 0.08 dB (SM/MM/DS/NZDS) • About 110 splice/heat cycles per charge • Mirror-less optics; severe-impact-resistant monitor • On-board training videos; CC-30 transit workstation case • USB 2.0; Mini-DIN for RS02/RS03

70R Characteristics / Specifications

PARAMETER	VALUE
Model	FSM-70R+ / 70R+
Manufacturer	Fujikura / AFL
Instrument Type	Fixed V-groove ribbon fusion splicer
Applicable Fibers	SM (G.652 & G.657), MM (G.651), DS (G.653), NZDS (G.655)
Fiber Count	Single, 2, 4, 5, 6, 8, 10, 12
Cladding Diameter	125 um
Coating Diameter	Ribbon 0.25-0.4 mm; Single 250 um and 900 um
Cleave Length	10 mm
Typical Average Splice Loss	0.05 dB SM; 0.02 dB MM; 0.08 dB DS; 0.08 dB NZDS
Splicing Time	typically 15 s standard SM
Arc Calibration	automatic real-time AUTO; manual available
Splicing Modes	100 preset and user programmable
Storage	last 2000 results
Display	dual cameras; 4.7-inch TFT color LCD; front or rear; auto image orientation
Magnification	35X to 90X
Operating	0-3660 m; 0-95% RH; -10 to 50 C
Proof Test	1.96-2.25 N
Tube Heater	30 modes; auto-start; typically 40 s FP-5; 17 s FP3(40); 5-15 s micro
Sleeves	60 mm, 40 mm, Micro
Battery Cycles	typically 110 with power save (BTR-09)
Electrode Life	1500 arc discharges (ELCT2-20A class)
Power	100-240 VAC or 10-15 VDC with ADC-18; 14.8 V DC with BTR-09
Terminals	USB 2.0 (USB-B); Mini-DIN 6-pin for RS02/RS03; Bluetooth
Wind Protection	max 15 m/s
Dimensions	146 × 159 × 150 mm

PARAMETER	VALUE
Weight	2.3 kg with AC adapter; 2.5 kg with battery
Related Holders	FH-50-12 / 10 / 8 / 6 / 4 / 2; FH-50-250; FH-50-900 Standard Operating Conditions Pair Bluetooth-enabled preparation tools when available. Use matching FH-50 holders. Clean V-grooves. Charge BTR-09 with DCC-18 / ADC-18 per Fujikura guidance.

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-70R+ / 70R+
Manufacturer	Fujikura / AFL
Instrument Type	Fixed V-groove ribbon fusion splicer
Applicable Fibers	SM (G.652 & G.657), MM (G.651), DS (G.653), NZDS (G.655)
Fiber Count	Single, 2, 4, 5, 6, 8, 10, 12
Cladding Diameter	125 um
Coating Diameter	Ribbon 0.25-0.4 mm; Single 250 um and 900 um
Cleave Length	10 mm
Typical Average Splice Loss	0.05 dB SM; 0.02 dB MM; 0.08 dB DS; 0.08 dB NZDS
Splicing Time	typically 15 s standard SM
Arc Calibration	automatic real-time AUTO; manual available
Splicing Modes	100 preset and user programmable
Storage	last 2000 results
Display	dual cameras; 4.7-inch TFT color LCD; front or rear; auto image orientation
Magnification	35X to 90X
Operating	0-3660 m; 0-95% RH; -10 to 50 C
Proof Test	1.96-2.25 N
Tube Heater	30 modes; auto-start; typically 40 s FP-5; 17 s FP3(40); 5-15 s micro
Sleeves	60 mm, 40 mm, Micro
Battery Cycles	typically 110 with power save (BTR-09)
Electrode Life	1500 arc discharges (ELCT2-20A class)
Power	100-240 VAC or 10-15 VDC with ADC-18; 14.8 V DC with BTR-09
Terminals	USB 2.0 (USB-B); Mini-DIN 6-pin for RS02/RS03; Bluetooth
Wind Protection	max 15 m/s
Dimensions	146 x 159 x 150 mm

PARAMETER	VALUE
Weight	2.3 kg with AC adapter; 2.5 kg with battery
Related Holders	FH-50-12 / 10 / 8 / 6 / 4 / 2; FH-50-250; FH-50-900

Standard Operating Conditions

Pair Bluetooth-enabled preparation tools when available. Use matching FH-50 holders. Clean V-grooves. Charge BTR-09 with DCC-18 / ADC-18 per Fujikura guidance.

Operational Notes

Confirm 70R+ vs base FSM-70R–Bluetooth and ADC-18/BTR-09 are Plus hallmarks.

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

NIST-traceable calibration · SAM registered · 30-day returns
NAICS 423690 · 811210 · 541380
Generated August 2, 2026