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**Data Sheet**

August 2, 2026

FUJIKURA

## Fujikura FSM-11S SpliceMate Fusion Splicer

Aumictech offers NIST-traceable calibration and repair for the Fujikura FSM-11S. 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 FSM-11S 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 FSM-11S is listed at . Calibration is available separately from . Contact us for volume pricing or if you need mult



MODEL

**Fujikura FSM-11S**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**FSM-11S**

LISTING

<https://aumictechlabs.com/products/fsm-11s-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

### This unit

The Fujikura FSM-11S is a compact and user-friendly fusion splicer designed for basic fiber splicing needs. It is lightweight and easy to transport, making it ideal for field use. The FSM-11S features automated splicing functions, simplifying the splicing process for technicians. It supports both single-mode and multimode fibers and delivers consistent, low-loss splices. The splicer

includes a built-in heater for splice protection sleeves, ensuring secure and reliable fiber connections.

## Features & description

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From manufacturer datasheet

### Features

- SpliceMate brand; world's smallest class Fujikura portable splicer
- Single-fiber cladding alignment
- Fits in the palm of the hand
- Typical splice loss 0.05 dB SM / 0.02 dB MM
- Typical splice time 15 s (SM)
- 3.5-inch color LCD; front or top monitor angle
- About 40 user-programmable splice modes
- Built-in tube heater; typical about 40 s heating
- Wind protection about 30 mph class
- About 30 splice/heat cycles per battery charge
- Weight about 0.80 kg with battery

## FSM11S Characteristics / Specifications

| PARAMETER                   | VALUE                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| Model                       | FSM-11S (SpliceMate)                                                                                     |
| Manufacturer                | Fujikura / AFL                                                                                           |
| Instrument Type             | Portable single-fiber cladding-alignment fusion splicer                                                  |
| Applicable Fibers           | SM (G.652 & G.657), MM (G.651), DS (G.653), NZDS (G.655)                                                 |
| Fiber Count                 | Single                                                                                                   |
| Cladding Diameter           | 125 um                                                                                                   |
| Coating Diameter            | 250 um and 900 um                                                                                        |
| Cleave Length               | 10 mm                                                                                                    |
| Typical Average Splice Loss | 0.05 dB SM; 0.02 dB MM; 0.08 dB NZDS; 0.08 dB DS (cut-back, ITU-T/IEC)                                   |
| Splicing Time               | typically 15 s with standard SM                                                                          |
| Return Loss                 | greater than 60 dB                                                                                       |
| Splicing Modes              | 40 user programmable plus factory reference modes                                                        |
| Splice Loss Estimate        | dual camera inspection                                                                                   |
| Storage                     | last 2000 results (FSM-11S)                                                                              |
| Display                     | two CMOS cameras; 3.5-inch color LCD; about 130X<br>singleXorYOperating: 0-3660 m; 0-95% RH; -10 to 50 C |
| Mechanical Proof Test       | 2 N                                                                                                      |
| Tube Heater                 | built-in; about 10 heating modes; typically about 40 s with FP-03                                        |
| Battery Cycles              | typically 30 splice/heat with BTR-07                                                                     |
| Dimensions                  | about 110 × 80 × 100 mm                                                                                  |
| Weight                      | about 0.80 kg / 1.76 lb with battery                                                                     |
| Power                       | AC, DC, battery (BTR-07)                                                                                 |
| Terminals                   | USB                                                                                                      |
| Wind Protection             | about 30 mph                                                                                             |
| Related Holders             | FH-50-250, FH-50-900                                                                                     |

| PARAMETER     | VALUE                                                                                                                                                                                                                                                                                                                                                                           |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Model | FSM-11R (mass up to 4 fibers) Standard Operating Conditions Use FH-50 holders matched to coating. Keep the compact wind cover closed outdoors. Charge BTR-07 with BTC-04 / ADC-10 per kit instructions. Operational Notes FSM-11S is single-fiber only—do not expect ribbon capability without an FSM-11R. Confirm SpliceMate kit contents (holders, battery, case) separately. |

# 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              |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| Technical Specifications    |                                                                        |
| PARAMETER                   | VALUE                                                                  |
| Model                       | FSM-11S (SpliceMate)                                                   |
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| Instrument Type             | Portable single-fiber cladding-alignment fusion splicer                |
| Applicable Fibers           | SM (G.652 & G.657), MM (G.651), DS (G.653), NZDS (G.655)               |
| Fiber Count                 | Single                                                                 |
| Cladding Diameter           | 125 um                                                                 |
| Coating Diameter            | 250 um and 900 um                                                      |
| Cleave Length               | 10 mm                                                                  |
| Typical Average Splice Loss | 0.05 dB SM; 0.02 dB MM; 0.08 dB NZDS; 0.08 dB DS (cut-back, ITU-T/IEC) |
| Splicing Time               | typically 15 s with standard SM                                        |
| Return Loss                 | greater than 60 dB                                                     |
| Splicing Modes              | 40 user programmable plus factory reference modes                      |
| Splice Loss Estimate        | dual camera inspection                                                 |
| Storage                     | last 2000 results (FSM-11S)                                            |
| Display                     | two CMOS cameras; 3.5-inch color LCD; about 130X single X or Y         |
| Operating                   | 0-3660 m; 0-95% RH; -10 to 50 C                                        |
| Mechanical Proof Test       | 2 N                                                                    |
| Tube Heater                 | built-in; about 10 heating modes; typically about 40 s with FP-03      |
| Battery Cycles              | typically 30 splice/heat with BTR-07                                   |
| Dimensions                  | about 110 x 80 x 100 mm                                                |
| Weight                      | about 0.80 kg / 1.76 lb with battery                                   |
| Power                       | AC, DC, battery (BTR-07)                                               |
| Terminals                   | USB                                                                    |
| Wind Protection             | about 30 mph                                                           |
| Related Holders             | FH-50-250, FH-50-900                                                   |

| PARAMETER                   | VALUE                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| Related Model               | FSM-11R (mass up to 4 fibers)                                                                            |
| <b>Specifications</b>       |                                                                                                          |
| PARAMETER                   | VALUE                                                                                                    |
| Model                       | FSM-11S (SpliceMate)                                                                                     |
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| Fiber Count                 | Single                                                                                                   |
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| Splicing Time               | typically 15 s with standard SM                                                                          |
| Return Loss                 | greater than 60 dB                                                                                       |
| Splicing Modes              | 40 user programmable plus factory reference modes                                                        |
| Splice Loss Estimate        | dual camera inspection                                                                                   |
| Storage                     | last 2000 results (FSM-11S)                                                                              |
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| Mechanical Proof Test       | 2 N                                                                                                      |
| Tube Heater                 | built-in; about 10 heating modes; typically about 40 s with FP-03                                        |
| Battery Cycles              | typically 30 splice/heat with BTR-07                                                                     |
| Dimensions                  | about 110 x 80 x 100 mm                                                                                  |
| Weight                      | about 0.80 kg / 1.76 lb with battery                                                                     |
| Power                       | AC, DC, battery (BTR-07)                                                                                 |
| Terminals                   | USB                                                                                                      |
| Wind Protection             | about 30 mph                                                                                             |
| Related Holders             | FH-50-250, FH-50-900                                                                                     |
| Related Model               | FSM-11R (mass up to 4 fibers)                                                                            |

Standard Operating Conditions

Use FH-50 holders matched to coating. Keep the compact wind cover closed outdoors. Charge BTR-07 with BTC-04 / ADC-10 per kit instructions.

#### Operational Notes

FSM-11S is single-fiber only-do not expect ribbon capability without an FSM-11R. Confirm SpliceMate kit contents (holders, battery, case) separately.



### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

788 S 500 E, Pleasant Grove, UT 84062  
[sales@aumictech.com](mailto: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.