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Data Sheet

August 2, 2026

FUJIKURA

Fujikura FSM-20RSII Ribbon Fusion Splicer

The Fujikura FSM-20RSII12 is a rugged and reliable fusion splicer designed for field use. It features a compact and lightweight design, making it easy to transport and operate in tight spaces. The FSM-20RSII12 offers fast splicing and heating times, ensuring efficient workflow. It supports various fiber types and provides accurate core alignment for low-loss splices. Ideal for telecom, datacom, and other fiber optic applications.



MODEL

Fujikura FSM-20RSII12

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FSM-20RSII12

LISTING

<https://aumictechlabs.com/products/fsm-20rsii12-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fujikura FSM-20RSII12 is a solid and user-friendly fusion splicer specifically engineered for demanding field environments. Its compact and lightweight form factor enhances portability and maneuverability, facilitating operation in confined areas. The FSM-20RSII12 has rapid splicing and heating cycles, optimizing productivity. With compatibility for a wide range of fiber types and precise core alignment capabilities, it guarantees consistently low-loss splices. This fusion splicer is an excellent choice for deployment in telecom, datacom, and diverse fiber optic applications where reliability and performance are paramount.

Features & description

From manufacturer datasheet

Features

- Profile Alignment System (PAS)
- SM core alignment; MM cladding alignment
- Ribbon capability (submodel-dependent fiber count)
- Automatic alignment, fusion, and loss estimation
- Environmental compensation
- Built-in tube heater
- Compact LCD (about 3 in class on many FSM-20 units)
- AC and DC power options
- Related: FSM-20RS (predecessor); FSM-20CS (single PAS sibling)

FSM20RSII12 Characteristics / Specifications

PARAMETER	VALUE
Model	FSM-20RSII (catalog often FSM-20RSII12)
Manufacturer	Fujikura
Instrument Type	PAS arc fusion splicer (ribbon class)
Fiber Types	SM, MM, DSF, graded-index (typical FSM-20RS family listings)
Alignment	PAS – SM core; MM cladding
Ribbon Count	up to 8 or 12 fibers depending on submodel (verify RSII12)
Display	LCD monitor with outdoor visibility
Power	AC 100-240 V 50/60 Hz; DC about 10-12 V class
Related	FSM-20RS; FSM-20CS; FSM-20CSII Standard Operating Conditions Use matching ribbon holders for the installed fiber count. Clean V-grooves and optics. Observe electrode life. Select correct fiber program for SM/MM/DSF. Operational Notes

FSM20RSII12 Specifications

PARAMETER	VALUE
Key Features	- Profile Alignment System (PAS)
Technical Specifications	Model: FSM-20RSII (catalog often FSM-20RSII12)
Operational Notes	Do not assume 12-fiber capability without verifying FSM-20RSII12 or equivalent faceplate marking and holders.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Model	FSM-20RSII (catalog often FSM-20RSII12)
Manufacturer	Fujikura
Instrument Type	PAS arc fusion splicer (ribbon class)
Fiber Types	SM, MM, DSF, graded-index (typical FSM-20RS family listings)
Alignment	PAS – SM core; MM cladding
Ribbon Count	up to 8 or 12 fibers depending on submodel (verify RSII12)
Display	LCD monitor with outdoor visibility
Power	AC 100-240 V 50/60 Hz; DC about 10-12 V class
Related	FSM-20RS; FSM-20CS; FSM-20CSII Standard Operating Conditions Use matching ribbon holders for the installed fiber count. Clean V-grooves and optics. Observe electrode life. Select correct fiber program for SM/MM/DSF. Operational Notes

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.

environmental compensation (atmosphere, humidity, temperature), a built-in tube heater, and a compact LCD monitor. Catalog listings often use model FSM-20RSII12 for units supporting higher ribbon counts (dealer descriptions cite up to 8- or 12-fiber ribbon depending on submodel). Confirm faceplate FSM-20RS vs FSM-20RSII / RSII12 before quoting maximum fiber count.

Applications

Field and laboratory SM/MM ribbon splicing; backbone ribbon work on RSII/RSII12 variants; telecom construction with PAS alignment on a compact legacy Fujikura chassis.

Key Features

- Profile Alignment System (PAS)
- SM core alignment; MM cladding alignment
- Ribbon capability (submodel-dependent fiber count)
- Automatic alignment, fusion, and loss estimation
- Environmental compensation
- Built-in tube heater
- Compact LCD (about 3 in class on many FSM-20 units)
- AC and DC power options
- Related: FSM-20RS (predecessor); FSM-20CS (single PAS sibling)

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	FSM-20RSII (catalog often FSM-20RSII12)
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Instrument Type	PAS arc fusion splicer (ribbon class)
Fiber Types	SM, MM, DSF, graded-index (typical FSM-20RS family listings)
Alignment	PAS – SM core; MM cladding
Ribbon Count	up to 8 or 12 fibers depending on submodel (verify RSII12)
Display	LCD monitor with outdoor visibility
Power	AC 100-240 V 50/60 Hz; DC about 10-12 V class
Related	FSM-20RS; FSM-20CS; FSM-20CSII

Standard Operating Conditions

Use matching ribbon holders for the installed fiber count. Clean V-grooves and optics. Observe electrode life. Select correct fiber program for SM/MM/DSF.

Operational Notes

Do not assume 12-fiber capability without verifying FSM-20RSII12 or equivalent faceplate marking and holders.

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.