



## Fujikura 31S Fusion Splicer

The Fujikura 31S is a fully ruggedized, active cladding alignment fusion splicer. The two camera, active cladding alignment system provides consistent splicing performance in the most challenging conditions. A 6-second splice time and 25-second shrink time offers unmatched speed and productivity, while an easy-to-use touchscreen monitor provides simple and intuitive menu navigation. Interchangeable sheath clamps or fiber holders provide versatility for user preference, and compatibility with fusion-installable connectors. The extended-life battery is rated for up to 200 splice and heat cycles. Long-life electrodes, lasting 5,000 splices, help minimize downtime for replacement and stabilization. The large 5" monitor provides a crystal clear image, even in the brightest sunlight. Software updates are accomplished via the internet allowing users to quickly update their software as new splice programs become available.

Backed by the best service team in the industry, the Fujikura 31S is the ideal splicer to use when portability, ruggedness, and reliability are needed for your splicing application.



### Features

- Two camera, active cladding alignment
- 5" touchscreen monitor
- Interchangeable sheath clamps and fiber holders
- Fully ruggedized for shock, moisture and dust resistance
- Extended-life electrodes, 5,000 splices, exchangeable without tools
- Long-life battery (200 splices/shrinks per charge)

### Ordering Information

DESCRIPTION	AFL NO.
<b>Fujikura 31S Fusion Splicer</b> <b>Includes:</b> Fujikura 31S Fusion Splicer, S31A Sheath clamps (installed), SP-31 Set Plates, ADC-19A AC Adapter, BTR-11 Battery Pack (installed), FH-70-250 Fiber Holders, FH-70-900 Fiber Holders, ACC-09 Power Cord, ELCT2-16B Spare Electrodes (pair), Operation Manual on CD, Quick Reference Guide, SS-03 Single Fiber Stripper and CC-35 Transit Case	S017081
<b>Fujikura 31S Fusion Splicer Kit with CT08 Cleaver</b> <b>Includes:</b> Fujikura 31S Fusion Splicer, CT08 Cleaver S31A Sheath clamps (installed), SP-31 Set Plates, ADC-19A AC Adapter, BTR-11 Battery Pack (installed), FH-70-250 Fiber Holders, FH-70-900 Fiber Holders, ACC-09 Power Cord, ELCT2-16B Spare Electrodes (pair), Operation Manual on CD, Quick Reference Guide, SS-03 Single Fiber Stripper and CC-35 Transit Case	S017109
One Year Extended Warranty	S012996
Two Year Extended Warranty	S013000

## Fujikura 31S

### Recommended Accessories

DESCRIPTION	AFL NO.
<b>Cleavers</b>	
CT08 Cleaver	S017004
CT50 Cleaver	S017030
<b>Fiber Holders</b>	
FH-70-250 Fiber Holder (pair)	S017111
FH-70-900 Fiber Holder (pair)	S017113
FH-60-LT900 Fiber Holder (pair)	S015181
<b>FUSEConnect® Accessories</b>	
FH-FC-20 (900 µm within 2.0 mm sheathing) (each)	S014696
FH-FC-30 (900 µm within 3.0 mm sheathing) (pair)	S014695
FH-FC-900 (900 µm cable) (each)	S014697
CLAMP-FC-2000 (pair)	S014705
CLAMP-FC-3000 (pair)	S014704
<b>Batteries</b>	
BTR-11 Battery Pack	S016156

DESCRIPTION	AFL NO.
<b>Miscellaneous</b>	
CLAMP-S31A Sheath Clamps	S017100
CLAMP-S31B Sheath Clamps for loose buffer 900 µm	S017101
SP-31 Set Plate (pair)	S017106
ELCT2-16B Electrodes	S017103
ADC-19A AC Adapter	S017104
ACC-09 Power Cord	S014390
CC-35 Transit Case	S017102
USB Cable	S014777
Splicer V-Groove Cleaning Kit	S014397
SS03 Single Fiber Stripper (3 hole)	S017098
SS01 Single Fiber Stripper (1 hole)	S017099

### Specifications

PARAMETER	VALUE
Model	31S Splicer
Applicable Fibers	Single-mode (G.652 & G.657), Multimode (G.651), DSF (G.653), NZDS (G.655)
Cladding Diameter	125 µm
Coating Diameter	250 µm up to 3 mm
Fiber Cleave Length	5 mm to 16 mm
Typical Average Splice Loss	0.03 dB (SM), 0.01 dB (MM), 0.05 dB (DS) and 0.05 dB (NZDS)
Splicing Time	Typical 6 sec with SM
Arc Calibration Method	Automatic, real-time and by using results of previous splice when in AUTO mode, manual arc calibration function available
Splicing Modes	Total 100 splice modes
Splice Loss Estimate	Based on two camera, active cladding alignment data
Storage of Splice Result	10,000 splice results
Fiber Display	5 inch TFT color LCD with X or Y view or both X and Y view simultaneously
Magnification	200X for single-camera view and 132X magnification for dual-camera view
Viewing Method	2 axis CMOS camera
Operating Condition	Altitude: 0 to 5,000 m above sea level, -10° to +50° C, Humidity: 0 to 95% RH, non-dew
Mechanical Proof Test	1.96 N
Tube Heater	30 heating modes
Tube Heating Time	Typical 25 sec with FP-60 (60 mm) sleeve
Protection Sleeve Length	60 mm, 40 mm, micro
Splice/Heat Cycles with Battery	Typical 200 cycles with BTR-11
Electrode Life	5,000 splices
Power Supply	Auto select from 100 V to 240 V with AC adapter, 14.8 V DC with installed battery
Terminals	USB 2.0
Wind Protection	Maximum wind velocity of 15 m/s. (34 mph)
Dimensions	131 x 201 x 79 (mm)
Weight	1,300 g (2.85 lbs) with battery