



12S (with Cleaver for scale)



Workstation in Transit Case



Workstation on Transit Case



Fujikura 12S Kit 1

## Fujikura 12S Fusion Splicer

The Fujikura 12S is the world's smallest, lightest and most portable fusion splicer available today. Despite its incredibly small size, this ruggedized, full-featured unit offers unmatched versatility for splicing in the most challenging environments. The innovative transit case and work tray provide multiple options for the best utilization of available work space while the long life battery provides power for up to 100 splice cycles which include application of the splice protection sleeve.

The Fujikura 12S incorporates features typically found only in more expensive models. The large 4.5" monitor provides a crystal clear image, even in the brightest sunlight, for evaluating splice quality. The electrode life has been extended to 3,000 splices, minimizing downtime for replacement and stabilization. Software updates are accomplished via the internet allowing users to quickly update their software as new splice programs become available. The fully ruggedized chassis provides for shock, dust and moisture protection while the two camera observation system provides for accurate fiber alignment and loss estimation calculations. The Fujikura 12S is also fully compatible with the FuseConnect line of fusion installable connectors.

Backed by the best service team in the industry, the Fujikura 12S is the ideal splicer to use when portability, ruggedness, versatility and reliability are needed for your splicing application.

### Features

- World's smallest splicer at 4.76"W x 6.38"D x 2.24"H
- Fully ruggedized for shock, moisture and dust resistance
- Transit case converts to easy to use workstation
- Dual camera, fixed v-groove alignment technology
- Extended life electrodes
- Long life battery (100 splices/shrinks per charge)

### Ordering Information

DESCRIPTION	AFL NO.
<b>Fujikura 12S Fusion Splicer</b> <b>Includes:</b> Fujikura 12S Fusion Splicer, ADC-19 AC Adapter, BTR-10 Battery Pack (installed), FH-60-250 Fiber Holders (pair), ACC-09 Power Cord, ELCT2-12 Spare Electrodes (pair), Operation Manual on CD, Quick Reference Guide, AP-01 Alcohol Container, SD01 Screwdriver and CC-29 Transit Case	S015521
<b>Fujikura 12S Fusion Splicer Kit 1</b> <b>Includes:</b> Fujikura 12S Fusion Splicer, CT-30 Cleaver, ADC-19 AC Adapter, BTR-10 Battery Pack (installed), FH-60-250 Fiber Holders (pair), FH-60-900 Fiber Holders (pair), ACC-09 Power Cord, ELCT2-12 Spare Electrodes (pair), Operation Manual on CD, Quick Reference Guide, AP-01 Alcohol Container, SD01 Screwdriver and CC-29 Transit Case	S015522
<b>Fujikura 12S Fusion Splicer Kit 2</b> <b>Includes:</b> Fujikura 12S Fusion Splicer, CT-05 Cleaver, ADC-19 AC Adapter, BTR-10 Battery Pack (installed), FH-60-250 Fiber Holders (pair), FH-60-900 Fiber Holders (pair), ACC-09 Power Cord, ELCT2-12 Spare Electrodes (pair), Operation Manual on CD, Quick Reference Guide, AP-01 Alcohol Container, SD01 Screwdriver and CC-29 Transit Case	S015530
One Year Extended Warranty	S012996
Two Year Extended Warranty	S013000

## Fujikura 12S Fusion Splicer

### Accessories & Supplies

DESCRIPTION	AFL NO.
<b>Cleavers</b>	
CT-05 Cleaver (for single fibers)	S015588
CT-30 Cleaver (for single to 12 ribbon fibers)	S014076
<b>Fiber Holders</b>	
FH-60-250 Fiber Holder (250 µm single fiber)	S014548
FH-60-900 Fiber Holders (900 µm single fiber)	S014549
FH-FC-900	S014697
FH-FC-20 (900 µm within 2.0 mm sheathing)	S014696
FH-FC-30 (900 µm within 3.0 mm sheathing)	S014695
FH-60-LT900 (900 µm loose buffer tube)	S015181
<b>Batteries</b>	
BTR-10 Battery Pack	S015527
<b>Miscellaneous</b>	
ELCT2-12 Electrodes	S014028
ADC-19 AC Adapter	S015523
ACC-09 Power Cord	S014390
AP-01 Alcohol Container	S015525
SD-01 Screwdriver	S015526
CC-29 Transit Case	S015524

### Specifications

PARAMETER	VALUE
Model	Fujikura 12S Fusion Splicer
Applicable Fibers	Single-mode (G.652 & G.657), Multimode (G.651), DSF (G.653), NZDS (G.655)
Number of Fibers	Single fiber
Cladding Diameter / Coating Diameter	125 µm / 160 µm to 3 mm by fiber holder system
Cleave Length	5 mm to 13 mm
Splice Mode / Heating Mode	Total 100 splice modes / 30 heating modes
Typical Average Splice Loss	0.05 dB (SM), 0.02 dB (MM), 0.08 dB (DS) and 0.08 dB (NZDS)
Splice Time / Tube Heating Time	Typical 15 sec with SM / Typical 30 sec with FP-03 (60 mm) sleeve
Splice Result Storage	Last 2,000 splices
Viewing Method / Magnification	2 axis CMOS camera with 4.47 inch color LCD/100X magnification
Tension Test	1.96 to 2.25 N
Number of Splice / Heat with Battery	Typical 100 cycles with BTR-10
Electrode Life	3,000 splices
Operating Condition	Altitude: 0 to 3,660 m above sea level, Wind: 15 m/sec Temperature: -10° to 50° C, Humidity: 0 to 95% RH, non-dew
Rugged Features	Shock resistance: 76 cm (30 inch) bottom surface drop Dust resistance: Exposure to dust (0.1 to 500 µm dia. Alumina Silicate) Rain resistance: H=10 mm/hr for 10 min
Dimensions (W x D X H)	121 x 162 x 57 (mm) / 4.76 x 6.38 x 2.24 (inches)
Weight with Battery	776 g / 1.71 lbs.