



12R (with Cleaver for scale)



Workstation in Transit Case



Workstation on Transit Case



Fujikura 12R Kit

## Fujikura 12R Fusion Splicer

The Fujikura 12R 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 12R 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 1,500 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 12R is also fully compatible with the FUSEConnect® line of fusion installable connectors.

Backed by the best service team in the industry, the Fujikura 12R 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 12R Fusion Splicer</b> <b>Includes:</b> ADC-19 AC Adapter, BTR-10 Battery Pack (installed), FH-70-4 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	S015571
<b>Fujikura 12R Fusion Splicer Kit</b> <b>Includes:</b> CT50 Cleaver, ADC-19 AC Adapter, BTR-10 Battery Pack (installed), FH-70-4 Fiber Holders (Pair) FH-70-250 Fiber Holders (Pair), FH-70-900 Fiber Holders (Pair), ACC-09 Power Cord, RS03 Thermal Stripper, ELCT2-12 Spare Electrodes (Pair), Operation Manual on CD, Quick Reference Guide, AP-01 Alcohol Container, SD01 Screwdriver and CC-29 Transit Case	S015667

## Fujikura 12R Fusion Splicer

### Recommended Accessories for the 12R

DESCRIPTION	AFL NO.
<b>Cleavers &amp; Strippers</b>	
CT50	S017030
RS03 Thermal Stripper	S016817
<b>Fiber Holders</b>	
FH-70-2	S017114
FH-70-4	S017115
FH-70-250 (250 µm coated single fiber)	S017111
FH-70-900 (900 µm jacketed single fiber)	S017113
FH-60-LT900 (900 µm loose buffer tube)	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

DESCRIPTION	AFL NO.
<b>Batteries</b>	
BTR-10 Battery Pack	S015527
<b>Miscellaneous</b>	
Worktable Set	S015817
TS-01 Tripod Screw	S015895
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
Splicer V-Groove Cleaning Kit	S014397

### Specifications

PARAMETER	VALUE
Model	Fujikura 12R Fusion Splicer
Applicable Fibers	Single-mode (G.652 & G.657), Multimode (G.651), DS (G.653), NZDS (G.655)
Fiber Count	Single to 4-fiber ribbon
Cladding Diameter	125 µm
Coating Diameter	250 µm and 900 µm
Fiber Cleave Length	10 mm
Typical Average Splice Loss	0.05 dB (SM), 0.02 dB (MM), 0.08 dB (DS) and 0.08 dB (NZDS)
Splice Time	Typical 20 sec with SM
Arc Calibration Method	Automatic, real-time 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 upon dual camera cladding alignment data
Storage of Splice Result	Last 2,000 splices
Fiber Display	4.5 inch TFT color LCD with X or Y view or both X and Y view simultaneously
Magnification	66X magnification in X or Y view; 33X magnification in X and Y view
Viewing Method	2 axis CMOS camera
Operating Condition	0 to 3,660 m above sea level (single fiber), 0 to 95% RH non-dew, -10 to 50°C respectively
Mechanical Proof Test	1.96 to 2.25 N
Tube Heater	30 heating modes
Tube Heater Time	Typical 30 sec with FP-03 (60 mm) and FP-04 sleeves
Protection Sleeve Length	60 mm, 40 mm, micro
Splice/Heat with Battery	Typical 100 cycles with BTR-10
Electrode Life	1,500 splices
Power Supply	Auto select from 100V to 240V 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	121W x 162D x 57H (mm) / 4.76 W x 6.38 D x 2.24 H (inches)
Weight with Battery	776 g / 1.71 lbs.