22S (with Cleaver for scale)

Workstation in Transit Case

Workstation on Transit Case

Fujikura 22S Kit 1

Fujikura 22S Fusion Splicer

The Fujikura 22S active cladding alignment fusion splicer bridges the long standing gap between core alignment and fixed v-groove fusion splicer technology. Moveable v-grooves eliminate splicer errors due to dust and other contaminants. 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 200 splice cycles which include application of the splice protection sleeve.

The Fujikura 22S incorporates features typically found only in more expensive models. Removable sheath clamps allow the use of fiber holders if desired. The large 4.7" 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 22S is also fully compatible with the FUSEConnect® line of fusion installable connectors.

Backed by the best service team in the industry, the Fujikura 22S is the ideal splicer to use when portability, ruggedness, versatility and reliability are needed for your splicing application.

Features

- Dual camera, active cladding alignment technology
- World's smallest active clad alignment splicer at 4.72"W x 7.44"D x 2.8"H
- Fully ruggedized for shock, moisture and dust resistance
- Transit case converts to easy to use workstation
- Extended life electrodes
- Long life battery (200 splices/shrinks per charge)
- Auto start tube heater

Ordering Information

DESCRIPTION	
Fujikura 22S Fusion Splicer Includes: Fujikura 22S Fusion Splicer, S21A Sheath Clamp, ADC-19 AC Adapter, BTR-11 Battery Pack (installed), ACC-09 Power Cord, ELCT2-12 Spare Electrodes (pair), Operation Manual on CD, Quick Reference Guide, AP-01 Alcohol Container,SD01 Screwdriver and CC-32 Transit Case	
Fujikura 22S Fusion Splicer Kit 1 Includes: Fujikura 22S Fusion Splicer, CT-30A Cleaver, S21A Sheath Clamp, ADC-19 AC Adapter, BTR-11 Battery Pack (installed), ACC-09 Power Cord, ELCT2-12 Spare Electrodes (pair), Operation Manual on CD, Quick Reference Guide, AP-01 Alcohol Container, SD01 Screwdriver and CC-32 Transit Case	
Fujikura 22S Fusion Splicer Kit 2 Includes: Fujikura 22S Fusion Splicer, CT-06A Cleaver, S21A Sheath Clamp, ADC-19 AC Adapter, BTR-11 Battery Pack (installed), ACC-09 Power Cord, ELCT2-12 Spare Electrodes (pair), Operation Manual on CD, Quick Reference Guide, AP-01 Alcohol Container, SD01 Screwdriver and CC-32 Transit Case	
One Year Extended Warranty	
Two Year Extended Warranty	

Fujikura 22S Fusion Splicer

Recommended Accessories for the 22S

DESCRIPTION	
Cleavers	
CT-06A Cleaver	
CT-30A Cleaver	
Fiber Holders	
FH-60-250 Fiber Holder (250 µm single fiber)	
FH-60-900 Fiber Holders (900 µm single fiber)	
FH-60-LT900 (900 µm loose buffer tube)	
Sheath Clamps	
CLAMP-S21A Sheath Clamp	
CLAMP-S21B Sheath Clamp	
Batteries	
BTR-11 Battery Pack	

DESCRIPTION	
FUSEConnect® Accessories	
FH-FC-20 (900 µm within 2.0 mm sheathing) (each)	
FH-FC-30 (900 µm within 3.0 mm sheathing) (pair)	
FH-FC-900 (900 µm cable) (each)	
CLAMP-FC-2000 (pair)	
CLAMP-FC-3000 (pair)	
Miscellaneous	
Worktable Set	
TS-01 Tripod Screw	
ELCT2-12 Electrodes	
ADC-19 AC Adapter	
ACC-09 Power Cord	
AP-01 Alcohol Container	
SD-01 Screwdriver	
CC-32 Transit Case	

Specifications

PARAMETER	VALUE
Applicable Fibers	Single-mode (G.652 & G.657), Multimode (G.651), DSF (G.653), NZDS (G.655)
Cladding Diameter	125 µm
Coating Diameter	100 µm to 3000 µm
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 9 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 dual camera cladding alignment data
Storage of Splice Result	Last 2,000 splices
Fiber Display	4.7 inch TFT color LCD with X or Y view or both X and Y view simultaneously
Magnification	200X magnification for X/Y view
Viewing Method	2 axis CMOS camera
Operating Condition	Altitude: 0 to 3,660 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 24 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	3,000 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	120 x 189 x 71 (mm) / 4.72" x 7.44" x 2.8" (inches)
Weight	1.14 kg (2.51 lbs) with battery