

Fujikura 70S+ Fusion Splicer

Recommended Accessories for the 70S+

DESCRIPTION	AFL NO.
Cleavers	
CT08 Cleaver	S017004
CT50 Cleaver	S017030
Fiber Holders	
FH-70-250 (250 µm coated single fiber)	S017111
FH-70-900 (900 µm jacketed single fiber)	S017113
FH-70-160 Fiber Holder (pair)	S017095
FH-60-LT900 Fiber Holder (pair)	S015181
FH-60-LT900 Single Side Fiber Holder	S015275
FUSEConnect® Accessories	
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
Sheath Clamps	
CLAMP-S70C Sheath Clamp (Coating diameter from 100 µm - 1000 µm (5-16 mm cleave))	S015586
CLAMP-S70D Sheath Clamp (900 µm diameter loose tube fiber (5-16 mm cleave))	S015862

DESCRIPTION	AFL NO.
Batteries and Power Cords	
ADC-18 AC Adapter	S015585
ACC-14 AC Power Cord	S014536
BTR-09 Battery and DCC-18 Charge Cord	S016780
BTR-09 Battery	S015581
DCC-18 Battery Charge Cord	S015582
DCC-12 Power Cord (connects AC Adapter to cigarette lighter socket)	S013552
DCC-13 Power Cord (connects AC Adapter to power source via alligator clips)	S013556
Miscellaneous	
ELCT2-20A Electrodes	S013532
Portable Tripod Workstation (see product profile for more detail)	S014773
ASW-02 Splicing Workstation (see product profile for more detail)	S010532
JP-06 J-PLATE (70/19 Series)	S016100
SL-01 Sleeve Loader	S015674
Worktable Upper	S015779
Worktable Lower	S015780
Inner Box Set	S015979
USB Cable	S014777
CC-30 Transit Case	S015587
Splicer V-Groove Cleaning Kit	S014397

Specifications

PARAMETER	VALUE
Model	70S+ Fusion Splicer
Applicable Fibers	Single-mode (G.652 & G.657), Multimode (G.651.1), DS (G.653), CS (G.654), NZDS (G.655 & G.656) and Erbium-doped fiber
Cladding Diameter	80 - 150 µm
Coating Diameter	100 µm to 3,000 µm
Fiber Cleave Length	5 to 16 mm
Typical Average Splice Loss	0.02 dB with SM, 0.01 dB with MM, 0.04 dB with DS, 0.04 dB with NZDS, measured by cut-back method relevant to ITU-T standards
Splicing Time	ULTRA FAST mode — 6 seconds; SM FAST mode — 7 seconds; SM AUTO mode — 10 seconds; AUTO mode — 15 seconds with SM fiber
Arc Calibration Method	Automatic, real-time and by using results of previous splice when in AUTO mode, manual arc calibration function available
Splicing Modes	100 preset and user programmable modes
Splice Loss Estimate	Based upon dual camera core axis alignment data
Storage of Splice Result	Last 2,000 results stored in the internal memory
Fiber Display	X or Y, or both X and Y simultaneously. Front or rear monitor display options with automated image orientation
Magnification	320X for single X or Y view, or 200X for X and Y view
Viewing Method	Dual cameras with 4.7 inch TFT color LCD monitor
Operating Condition	0 to 5,000 m above sea level, 0 to 95%RH and -10 to 50°C respectively
Mechanical Proof Test	1.96 to 2.25N
Tube Heater	Built-in tube heater with 30 heating modes; auto-start function
Tube Heating Time	Typical 13 seconds with FP-03 sleeve, 17 seconds with FP3 (40), 5-16 seconds with Fujikura micro sleeves
Protection Sleeve Length	60 mm, 40 mm, micro
Splice/Heat Cycles with Battery	Typical 200 cycles with power save functions activated
Electrode Life	5,000 Arc Discharges
Power Supply	Auto voltage selection from 100 to 240 V AC or 10 to 15 V DC with ADC-18, 14.8 V DC with BTR-09 battery
Terminals	USB 1.1 (USB-B type) for PC communication. Mini-DIN (6-pin) for HJS-02/03
Wind Protection	Maximum wind velocity of 15 m/s. (34 mph)
Dimensions	146 W x 159 D x 150 H (mm) / 5.75 W x 6.25 D x 5.9 H (inches)
Weight	2.5 kg (5.5 lbs) with AC adapter ADC-18; 2.7 kg (5.95 lbs) with BTR-09 battery