



FSM-50S – Top and Front Monitor Positions



FSM-50S – Changing Monitor Positions

FSM-50S

The FSM-50S Fusion Splicer sets the standard for core alignment fusion splicers. The FSM-50S is the fastest field splicer available, and can complete a splice and tube heat in a total of 44 seconds. Important features include the smallest size and weight in the industry and the legendary ruggedness Fujikura provides. The FSM-50S also includes user friendly features such as calibration-free arc adjustments (with AUTO splice mode), automatic fiber type identification and reduced operational steps. The FSM-50S also offers increased flexibility for various splicing tasks with user-selectable front and back monitor positioning.

features

- Automatic core to core, low-loss splicing regardless of fiber quality or age
- 9 second splicing time
- 35 second heat time (60mm sleeve)
- Wind protector design withstands 30 mph cross wind
- User selectable monitor position
- Excellent visibility in bright sunlight with 5.6" TFT Color LCD display
- Multiple pre-programmed modes for specialized splicing
- Optional data download kit to connect splicer to PC (USB port)
- Automated arc calibration during AUTO mode splicing

specifications

PARAMETER	VALUE
Fiber Splicing Capability	SM, MM, NZ-DS, DS, attenuation and specialty splicing
Splice Loss	0.02dB with SM fiber, 0.01dB with MM, and 0.04dB with NZ-DS fiber, 0.04dB with DS fiber (all results typical)
Return Loss	>60dB
Cleaved Fiber End Angle Alarm	Programmable up to 5°
Fusion Splices/Battery Charge	BTR-06S: 80 splices (including splice protection sleeve tube heater cycle) BTR-06L: 160 splices (including splice protection sleeve tube heater cycle)
Viewing Method	Dual CCD cameras with high resolution 5.6" LCD monitor with 295X and 147X magnification, external RCA jack for NTSC video signal
Splice Sleeve Compatibility	40mm, 60mm sleeves, micro sleeves
Atmospheric Compensation	Fully automatic up to 5000 meters (16,400 feet) with automatic temperature compensation
Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +80°C
Power Supply	100 to 240 VAC (50/60 Hz) & 10 to 15 VDC
Dimensions (W x D x H)	150mm x 150mm x 150mm (5.9" x 5.9" x 5.9")
Weight	2.8 kg (6.2 lbs) including AC adapter
Attenuation Capability	Programmable from 1dB up to 15dB
Splice Data Storage	2000 splice data records
Splice Modes	Up to 60 pre-programmed, 40 user programmable (100 total)
Splice Protection Sleeve Heater Modes	Up to 20 pre-programmed, 10 user programmable (30 total)



FSM-50S

ordering information

DESCRIPTION	PART #
FSM-50S Fusion Splicer (Machine Only) Each FSM-50S Fusion Splicer comes with ADC-11 AC adapter/battery charger, AC cord, spare electrodes (pair), monitor cover, operation manual, and transit case.	S013510
FSM-50S Fusion Splicer Kit (includes cleaver) Each FSM-50S Fusion Splicer Kit includes; Fusion Splicer with ADC-11 AC adapter/battery charger, CT-20-12 Cleaver, AC cord, spare electrodes (pair), monitor cover, operation manual, and transit case.	S013512

accessories recommended for the FSM-50S

DESCRIPTION	PART #
Cleavers	
CT-20-11 Cleaver	S012744
CT-20-12 Cleaver	S012740
FC-01 Fiber Collector System	S012760
CT-20-12 w/ FC-01 Fiber Collector System	S013304
Batteries & Power Cords	
ADC-11 AC Adapter/Battery Charger	S013516
BTR-06S Battery (80 splice/heatings cycles)	S013520
BTR-06L Battery (160 splice/heatings cycles)	S013528
DCC-10 Power Cord (connects ADC-11 to BTR-06S or BTR-06L)	S013524
DCC-12 Power Cord (connects ADC-11 to cigarette lighter socket)	S013552
DCC-13 Power Cord (connects ADC-11 to power source via alligator clips)	S013556
Miscellaneous	
ELCT2-20A Electrodes (50S)	S013532
WT-6 Work Table (50S only - requires WTS-06 Work Table Support)	S013536
WTS-06 Work Table Support	S013544
50S Set Plate "B" (allows 10mm cleave of 900μ) (includes installation)	S013564
Transit Case (50S)	S013540
One year extended warranty	S012996
Two year extended warranty	S013000