



FSM-17S Fusion Splicer

The FSM-17S establishes a new standard for single fiber “fixed v-groove” type fusion splicers with a host of improvements including a 35 second tube heater, dual position monitor, and a longer battery life. The real time arc calibration feature makes field maintenance easier than ever. Also available now is a version of the FSM-17S utilizing a fiber holder system, making the splicing process extremely simple for inexperienced technicians. The FSM-17S is well suited for FTTX applications and both models quickly attach to the newly redesigned ASW-02 workstation making, field portability a breeze.

specifications



Top and Front Monitor Positions



Changing Monitor Positions

PARAMETER	VALUE
Model	FSM-17S: Fiber Sheath Clamp Model FSM-17S-FH: Fiber Holder Model
Applicable Fibers	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU -T G.653), NZDS (ITU-T G.655)
Cladding Diameter	125µm
Coating Diameter	FSM-17S: 250µm to 1000µm FSM-17S-FH: 250µm using the FH-50-250 fiber holder or 900µm using the FH-50-900 fiber holder
Fiber Cleave Length	FSM-17S: 8 to 16mm with 250µm coating diameter. 16mm with 900µmcoating diameter.
Typical Average Splice Loss	0.05dB with SM, 0.02dB with MM, 0.08dB with DS, 0.08dB with NZDS. Measured by cut-back method relevant to ITU-T and IEC standards.
Splicing Time	Typical 11seconds with standard SM fiber
Arc Calibration Method	Automatic, using results of previous splice when in AUTO mode. Manual arc calibration function available.
Splicing Modes	40 user programmable modes and up to 60 modes for reference (factory predetermined setting).
Splice Loss Estimate	Based upon dual camera cladding alignment data.
Storage of Splice Result	The last 2000 results to be stored in the internal memory.
Fiber Display	X / Y, or both X and Y simultaneously. Front or rear monitor display options.
Magnification	316x for single X or Y view, or 158x for X and Y view.
Viewing Method	Dual cameras with 5.6 inch color LCD monitor.
Operating Condition	0 to 5,000m above sea level, 0 to 95%RH and -10 to 50 respectively.
Mechanical Proof Test	2N
Tube Heater	Built-in tube heater with 10 heating modes and up to 20 modes for reference.
Tube Heating Time	Typical 35 seconds with FP-03 protection sleeve.
Applicable Protection Sleeve Length	60mm, 40mm, micro
No.of Splice/heat With Battery	Typical 80 cycles with BTR-06(S) / Typical 160 cycles with BTR-06(L).
Power Supply	Auto voltage selection from 100 to 240V AC or 10 to 15V DC with ADC-11. 13.2V DC with BTR-06(S)/(L).
Terminals	USB 1.1 (USB-B type) for PC communication. Video terminal RCA video jack / NTSC.
Wind Protection	Max. wind velocity of 15m/s. (34 mph)
Dimensions	150W x 150D x 150H (mm) / 5.9W x 5.9D x 5.9H (inches)
Weight	2.6 kg (5.7 lbs.) including AC adapter ADC-11

features:

- 35 second tube heater
- Dual direction monitor position
- Long life battery (up to 160 splices/shrinks per charge)
- Automatic arc calibration



FSM-17S Fusion Splicer

ordering information

DESCRIPTION	PART #
FSM-17S Fusion Splicer (machine only) Each FSM-17S Fusion Splicer includes; ADC-11 AC adapter/battery charger, AC cord, carrying strap, spare electrodes (pair), instruction manual, transit case.	S013612
FSM-17S Fusion Splicer Kit The kit includes a CT-20-12 Cleaver in addition to the FSM-17S, ADC-11 AC adapter/battery charger, AC cord, carrying strap, spare electrodes (pair), instruction manual, transit case.	S013616
FSM-17S Fusion Splicer Kit with Battery and Charge Cord The kit includes a BTR-06(S) battery, DCC-10 battery charge cord, and CT-20-12 Cleaver in addition to the FSM-17S, ADC-11 AC adapter/battery charger, AC cord, carrying strap, spare electrodes (pair), instruction manual, transit case.	S013880
FSM-17S-FH Fusion Splicer (machine only) Each FSM-17S-FH Fusion Splicer includes; FH-50-250 Fiber Holder (1 pair), FH-50-900 Fiber Holder (1 pair), ADC-11 AC adapter/battery charger, AC cord, carrying strap, spare electrodes (pair), instruction manual, transit case.	S013832
FSM-17S-FH Fusion Splicer Kit The kit includes a CT-20 Cleaver in addition to the FSM-17FH, FH-50-250 Fiber Holder (1 pair), FH-50-900 Fiber Holder (1 pair), ADC-11 AC adapter/battery charger, AC cord, carrying strap, spare electrodes (pair), instruction manual, transit case.	S013836

accessories recommended for FSM-17S

DESCRIPTION	PART #
Cleavers	
CT-20 Cleaver	S012736
CT-20 Cleaver with FC-01 Fiber Collector System	S013236
CT-20-11 Cleaver	S012744
CT-20-12 Cleaver	S012740
FC-01 Fiber Collector System	S012760
CT-20-12 Cleaver with FC-01 Fiber Collector System	S013304
Batteries & Power Cords	
ADC-11 AC Adapter/Battery Charger	S013516
BTR-06S Battery (80 splice/heating cycles)	S013520
BTR-06L Battery (160 splice/heating 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 (17S)	S013532
ASW-02 Aerial Workstation	S010532
WT-6 Work Table (50S only - requires WTS-06 Work Table Support)	S013536
WTS-06 Work Table Support	S013544
MGS-05 Magnifier	S013548
JP-04 J-plate	S013628
Transit Case (17S)	S013884
One year extended warranty	S012996
Two year extended warranty	S013000