



FSM-50R12 Fusion Splicer

The FSM-50R12 offers numerous improvements to increase productivity and provide additional flexibility. A new “auto load” feature provides for fast and easy placement of the fiber holders into the splicer. The FSM-50R12 also benefits from a greatly improved tube heater which shrinks a 12 fiber splice protection sleeve in approximately 45 seconds. Other enhancements include larger capacity batteries, dual direction monitor, and real time arc calibration. The FSM-50R12 quickly attaches to our newly redesigned ASW-02 workstation, making field portability a breeze.

specifications



PARAMETER	VALUE
Model	FSM-50R12: Mass fusion splicer up to 12-fiber
Applicable Fibers	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU -T G.653), NZDS (ITU-T G.655)
Fiber Count	1, 2, 4, 5, 6, 8, 10 and 12
Fiber Cleave Length	10mm
Typical Average Splice Loss	0.05dB with SM, 0.02dB with MM, 0.08dB with DS, and 0.08dB with NZDS. Measured by cut-back method relevant to ITU-T and IEC standards.
Splicing Time	Typical 20seconds
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).
Storage Of Splice Result	FSM-50R12: The last 400 results to be stored in the internal memory. FSM-50R8: The last 500 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	FSM-50R12: 35x
Viewing Method	Dual cameras with 5.6 inch color LCD monitor.
Operating Conditions	0 to 3,660m 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 45 seconds with FP-05 protection sleeves.
Applicable Protection Sleeve Length	60mm and 40mm
No. of Splice/Shrink per Charge	Typical 70 cycles with BTR-06(S) / Typical 140 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:

- 45 second tube heater
- Dual direction monitor position
- Long life batteries (up to 140 splices/shrinks per charge)
- Automatic arc calibration



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ordering information

DESCRIPTION	PART #
FSM-50R12 Mass Fusion Splicer (machine only) Each FSM-50R12 Fusion Splicer includes: FH-50-12 Fiber Holder (pair), ADC-11 AC adapter/battery charger, AC cord, carrying strap, spare electrodes (pair), instruction manual, transit case.	S013840
FSM-50R12 Mass Fusion Splicer Kit The kit includes: CT-20-12 Cleaver with FC-01 Fiber Collector and HJS-02 Hot Jacket Stripper in addition to the FSM-50R12, FH-50-12 Fiber Holder (pair), ADC-11 AC adapter/battery charger, AC cord, carrying strap, spare electrodes (pair), instruction manual, transit case.	S013844

accessories recommended for FSM-50R12

DESCRIPTION	PART #
Strippers	
HJS-02 Hot Jacket Stripper	S010340
Cleavers	
CT-20 Cleaver	S012736
CT-20 Cleaver with FC-01 Fiber Collector System	S013236
FC-01 Fiber Collector System	S012760
Fiber Holders (pairs)	
FH-50-12	S013828
FH-50-10	S013824
FH-50-8	S013820
FH-50-6	S013816
FH-50-4	S013812
FH-50-2	S013808
FH-50-250 (250 μm coated single fiber)	S013800
FH-50-900 (900 μm jacketed single fiber)	S013804
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	
FAT-02 Fiber Arrangement Tool	S002111
FAT-04 Fiber Arrangement Tool	S010212
FAA-03 Ribbon Forming Adhesive (4 oz. bottle)	S008720
FAA-03 Ribbon Forming Adhesive (0.5 liter bottle)	S008622
ELCT2-20A Electrodes	S013532
ASW-02 Aerial Workstation	S010532
WT-6 Work Table (requires WTS-06 Work Table Support)	S013536
WTS-06 Work Table Support	S013544
MGS-05 Magnifier	S013548
JP-04 J-plate	S013628
Transit Case (50R12)	S013888
One year extended warranty	S012996
Two year extended warranty	S013000