



## SpliceMate™ FSM-11R & FSM-11S Fusion Splicers

SpliceMate (FSM-11) is the world's smallest and most portable fusion splicer and is designed to meet the challenges posed by today's fiber networks. SpliceMate fits in the palm of your hand, yet it's smart and reliable enough to be used with confidence by inexperienced operators.

SpliceMate's advanced intelligence features include two-camera fiber inspection to insure the splice is right and Auto Arc Calibration...an industry first. It's easy to operate and quickly makes low loss splices with all common types of optical fibers up to 4-fiber ribbons. SpliceMate is available with a variety of powering options including a battery pack and adapters to work with AC or DC power sources.

A workstation, specifically designed for the SpliceMate, is available for simplified splicing in the field. Whether splicing on a pole, in a bucket, or in a neighborhood...SpliceMate is the friend to have along on the job!



### Features

- Highly portable
- Dual camera inspection
- 3.5" dual direction monitor
- Single or 4-fiber versions available
- 40 second tube heater
- Auto arc calibration
- 30 mph wind protector



### Specifications

PARAMETER	VALUE
Model	FSM-11R Fusion Splicer FSM-11S Fusion Splicer
Applicable Fibers	SMF, MMF, NZ-DSF, DSF
Number of Fiber	Single fiber (FSM-11S) / up to 4-fiber ribbon (FSM-11R)
Cladding Diameter	125µm
Coating Diameter	250µm and 900µm
Typical Average Splice Loss	SMF = 0.05dB / MMF = 0.02dB
Splicing Time	FSM-11R (20 seconds) / FSM-11S (11 seconds)
Arc Calibration Method	Automatic and manual methods
Splicing Modes (40)	Auto SM / NZ / DS    Auto MM    SM, MM, NZ-DSF, DSF
Splice Loss Estimate	Based on dual camera inspection
Monitor	3.5", adjustable monitor angle (front or top selectable)
Tube Heating Time	40 seconds
Number of Splice / Heat with Battery	30
Power Supply	AC, DC, Battery
Terminals	USB
Wind Protection	30 mph
Dimensions	110W x 80D x 100H (mm) / 4.33W x 3.14D x 3.94H (inches)
Weight with Battery	0.80kg / 1.76 lbs.

**SpliceMate™**  
HANDHELD FUSION SPLICER

## FSM-11R & FSM-11S Fusion Splicers

### Ordering Information

#### FSM-11R SPLICER (4-Fiber Ribbon Version - Splicer only)

ITEM NUMBER	DESCRIPTION
S013960	FSM-11R Fusion Splicer
(Included with the Splicer)	<ul style="list-style-type: none"> <li>- FSM-11R Fusion Splicer</li> <li>- FH-50-4 Fiber Holders</li> <li>- BTC-04 Battery Charger</li> <li>- BTR-07 Battery</li> <li>- Spare Electrodes (Pair)</li> <li>- Operation Manual</li> <li>- Transit Case</li> </ul>

#### FSM-11R SPLICER KIT (4-Fiber Ribbon Version - Kit)

ITEM NUMBER	DESCRIPTION
S013992	FSM-11R Fusion Splicer Kit
(Included in the kit)	<ul style="list-style-type: none"> <li>- FSM-11R Fusion Splicer</li> <li>- FH-50-4 Fiber Holders</li> <li>- BTC-04 Battery Charger</li> <li>- BTR-07 Battery</li> <li>- Spare Electrodes (Pair)</li> <li>- Operation Manual</li> <li>- Transit Case</li> <li>- CT-30 Cleaver</li> <li>- HJS-03 Battery Powered Hot Jacket Stripper</li> </ul>

#### FSM-11S SPLICER (Single Fiber - Splicer only)

ITEM NUMBER	DESCRIPTION
S013956	FSM-11S Fusion Splicer
(Included with the Splicer)	<ul style="list-style-type: none"> <li>- FSM-11S Fusion Splicer</li> <li>- FH-50-250 Fiber Holders</li> <li>- BTC-04 Battery Charger</li> <li>- BTR-07 Battery</li> <li>- Spare Electrodes (Pair)</li> <li>- Operation Manual</li> <li>- Transit Case</li> </ul>

#### FSM-11S SPLICER KIT (Single Fiber - Kit)

ITEM NUMBER	DESCRIPTION
S013988	FSM-11S Fusion Splicer Kit
(Included with in the kit)	<ul style="list-style-type: none"> <li>- FSM-11S Fusion Splicer</li> <li>- FH-50-250 Fiber Holders</li> <li>- BTC-04 Battery Charger</li> <li>- BTR-07 Battery</li> <li>- Spare Electrodes (Pair)</li> <li>- Operation Manual</li> <li>- Transit Case</li> <li>- CT-30 Cleaver</li> </ul>

### Accessories & Supplies

CLEAVERS		
S014076	CT-30 Cleaver	Both FSM-11R & FSM-11S
S014092	FC-02 Fiber Collector	Both FSM-11R & FSM-11S
S014104	FDB-02 Fiber Collector Scrap Box	Both FSM-11R & FSM-11S

POWER AND CORDS		
S014000	BTC-04 Battery Charger for SpliceMate (charges BTR-07)	Both FSM-11R & FSM-11S
S014004	BTR-07 Battery for SpliceMate	Both FSM-11R & FSM-11S
S014008	DCA-02 DC Adaptor for SpliceMate (needed for AC operation)	Both FSM-11R & FSM-11S
S012548	ADC-10 AC Adapter (SpliceMate and the 40F/PM)	Both FSM-11R & FSM-11S

MISCELLANEOUS		
S013800	FH-50-250 Fiber Holders (250µm single fiber)	Both FSM-11R & FSM-11S
S013804	FH-50-900 Fiber Holders (900µm single fiber)	Both FSM-11R & FSM-11S
S013812	FH-50-4 Fiber Holders	FSM-11R (only)
S013808	FH-50-2 Fiber Holders	FSM-11R (only)
S014052	SpliceMate Portable Workstation	Both FSM-11R & FSM-11S
S014108	Aerial Mounting Kit	Both FSM-11R & FSM-11S
S013996	HJS-03 Battery Powered Hot Jacket Stripper (includes DCC-11 cord)	FSM-11R (only)
S014024	LC-01 Leather Case for SpliceMate	Both FSM-11R & FSM-11S
S014028	Electrodes: FSM-11S/R	Both FSM-11R & FSM-11S
S002111	FAT-02 Fiber Arrangement Tool	FSM-11R (only)
S010212	FAT-04 Fiber Arrangement Tool	FSM-11R (only)
S008720	FAA-03 Ribbon Forming Adhesive (4 oz. bottle)	FSM-11R (only)
S008622	FAA-03 Ribbon Forming Adhesive (0.5 liter bottle)	FSM-11R (only)

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