

Arc Fusion Splicer

# SpliceMate<sup>®</sup>



Mass Fiber Splicer



Single Fiber Splicer

## Features

- World's smallest size
- Single fiber splicer & Mass fiber splicer available
- Light weight, 810g with battery pack
- Cladding alignment with fixed V-groove
- Fiber Holder system
- Arc calibration-free system
- Dual directional operating system



## SPECIFICATIONS

Model	<b>SpliceMate (FSM-11S)</b> : Single fiber splicer <b>SpliceMate (FSM-11R)</b> : Mass fiber splicer up to 4-fiber
Applicable fibers	SM (ITU-T G.652 & G.657), MM (ITU-T G.651), NZDS (ITU-T G.655), DS (ITU-T G.653)
Fiber Count	<b>FSM-11S</b> : Single <b>FSM-11R</b> : Single, 2, 4
Cladding diameter	125µm
Coating diameter	250µm and 900µm
Fiber cleaved length	10mm
Actual average splice loss	0.05dB with SM, 0.02dB with MM, 0.08dB with NZDS, 0.08dB with DS. Measured by cut-back method relevant to ITU-T and IEC standards.
Splicing time	<b>FSM-11S</b> : Typical 15seconds with standard SM fiber. <b>FSM-11R</b> : Typical 20seconds with standard SM fiber.
Return loss	>>60dB
Splicing modes	40 user programmable modes and up to 60 modes for reference (factory predetermined setting).
Splice loss estimate	Available
Storage of splice result	<b>FSM-11S</b> : The last 2,000 results to be stored in the internal memory. <b>FSM-11R</b> : The last 1,400 results to be stored in the internal memory.
Fiber display	X / Y
Magnification	<b>FSM-11S</b> : 130x for single X or Y view. <b>FSM-11R</b> : 43x for single X or Y view.
Viewing method	Two CMOS cameras and 3.5inch color LCD monitor.
Operating condition	0 to 3,660m above sea level, 0 to 95%RH and -10 to 50°C 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 40seconds with FP-03(L=40) protection sleeve.
Applicable protection sleeve length	60mm and 40mm
No.of splice/heating with battery	Typical 30 cycles with BTR-07.
Power supply	100 to 240V AC with ADC-10 through DCA-02. 10 to 15V DC with DCA-02. 11.1V DC with BTR-07.
Terminals	USB 1.1 (mini type) for PC communication.
Wind protection	Max. wind velocity of 15m/s.
Dimensions	110W x 80D x 100H (mm)
Weight	640g (810g including battery pack BTR-07)

## STANDARD PACKAGE

Description	Model No.	Quantity
Arc Fusion Splicer	SpliceMate FSM-11S or FSM-11R	1pc.
Battery Pack	BTR-07	1pc.
Battery Charger	BTC-04	1pc.
AC adapter	ADC-10	1pc.
AC power cord	ACC-08 ~ 12	1pc.
Fiber holder	FH-50-250 or FH-50-4	1pair
Carrying case	CC-17	1pc.
Spare electrodes	ELCT2-12	1pair
Instruction manual	-	1pc.

## OPTIONAL ITEMS

Description	Model No.
Leather case	LC-01
AC / DC inlet	DCA-02
High precision fiber cleaver	CT-30
Thermal jacket stripper	HJS-02
Primary coat stripper	PS-02
Nylon jacket stripper	JS-01
Working tray	WT-07
Alcohol dispenser	HR-2
Protection sleeves	FP-03, FP-03(L=40), FP-04(T)

## OPTIONAL FIBER HOLDERS for SpliceMate

Fiber	Single (250µm)	Single (900µm)	2-fiber ribbon	4-fiber ribbon
Model No.	FH-50-250	FH-50-900	FH-50-2	FH-50-4



Operation accessories



Power supply accessories

Specifications and descriptions are subject to change without prior notice.

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