



# OPTICAL FIBER FUSION SPLICER

## ISO 9001 CERTIFIED

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### S199 Series Mass Fusion Splicer

Visit us at [www.TestEquipmentDepot.com](http://www.TestEquipmentDepot.com)

#### ■ Features

##### • Small & Portable

Small compact size with insertable battery. All models use same body case.

##### • Large Monitor

5-inch low reflection LCD is used. Can be clearly seen even under strong sunlight.

##### • Quick Splice Time

Fibers are simultaneously inspected by two CCD cameras. As a result, the entire splicing process is very fast. Average splice time is 30 seconds.

##### • Embedded Self Diagnosis Function

Before carrying out real splicing, the embedded diagnosis function can help the user check the status of the machine.

##### • Fiber Position Adjustment Button

Fiber position adjustment button can help the user to fine tune the fiber position in the v-groove.



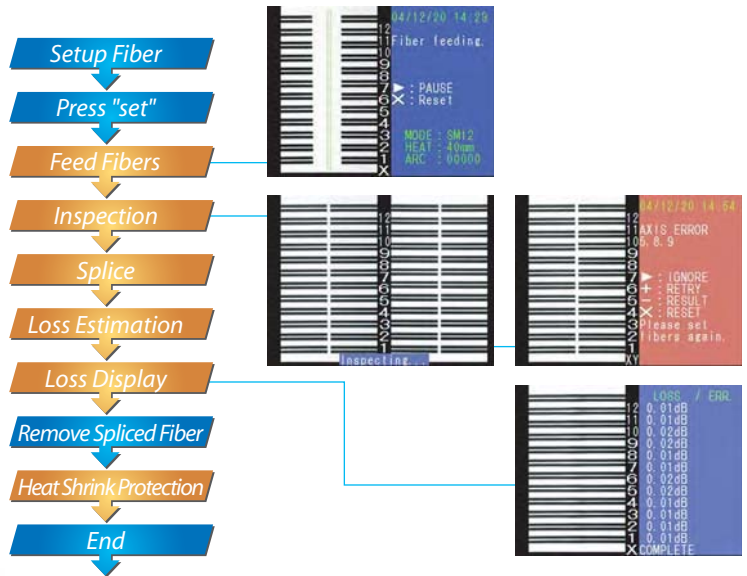
#### • Description

Used for ribbon-type fiber splicing in Outside Plant and Long-Haul applications.

#### • Line-up

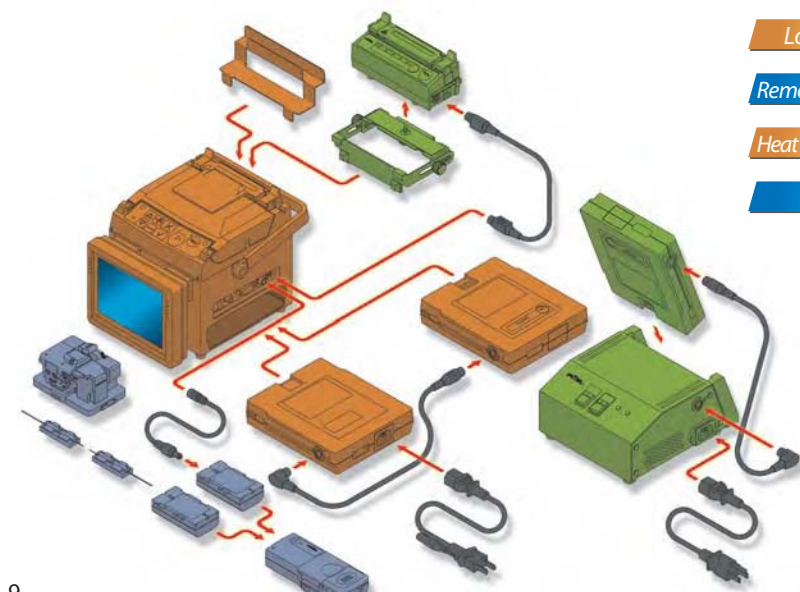
Model	Applicable Fiber Type and Fiber Count
S199M12	SMF, MMF, DSF, NZDSF up to 12-fiber ribbon
S199M24	SMF, MMF, DSF, NZDSF up to 24-fiber ribbon

#### Operation Procedure



= Manual process  
 = Automatic process

= Standard Body & Parts  
 = Basic Accessories  
 = Extended Accessories



- **White LED Lamp**

White LED lamp can help the user to set up fiber in dark environments.

- **Battery Life Indicator**

Battery life remaining can be checked on screen.

- **Wind Proof**

Splicer can withstand wind up to 33 mph (15m/s) without being affected.

- **Fan Embedded Heater**

With the help of an embedded fan, fiber reinforcement time can be shortened.

- **Auto Tension Absorbtion**

Heater clamps can automatically absorb and adjust fiber's tension.

- **Arc Check**

Arc check function can help machine to automatically adjust the arc discharge conditions based on the environmental condition. This is important for low-loss splicing.

- **Data Memory**

The splicer can store data up to a maximum of 250 splices.

- **Specifications**

		<b>S199M12</b>	<b>S199M24</b>
Fiber Type (1)	SMF	Single Fiber (250 m, 900 m) Ribbon Fiber (2F, 4F, 6F, 8F, 10F, 12F)	Single Fiber (250 m, 900 m) Ribbon Fiber (2F, 4F, 6F, 8F, 10F, 12F, 16F, 24F)
	MMF	Single Fiber (250 m, 900 m) Ribbon Fiber (2F, 4F, 8F, 12F)	Single Fiber (250 m, 900 m) Ribbon Fiber (2F, 4F, 8F, 12F)
	DSF	Single Fiber (250 m, 900 m) Ribbon Fiber (2F, 4F, 8F, 12F)	Single Fiber (250 m, 900 m) Ribbon Fiber (2F, 4F, 8F)
	NZDSF	Single Fiber (250 m, 900 m) Ribbon Fiber (4F, 6F, 8F, 10F, 12F)	Single Fiber (250 m, 900 m) Ribbon Fiber (4F, 6F, 8F, 10F, 12F, 16F, 24F)(6)
Cladding Diameter		125 m	
Coating Diameter		Single Fiber: 250 m, 900 m Ribbon Fiber: 280 m to 400 m	
Average Splice Loss (2), (3)		SMF: 0.03dB, MMF: 0.03db, DSF: 0.07, NZDSF: 0.05 - 0.09dB (brand dependent)	
Average Splice Time		30 sec. splicing (3), 90 sec. heating (4)	
Cleave Length		10mm	
Data Memory		250 splices	
Applicable Protection Sleeve		40mm/60mm	
Dimensions		150W x 150D x 150H (mm) / 6"W x 6"D x 6"H	
Weight		S199M12: 2.7kg / 7.3lbs, S199M24: 3.4kg / 7.5lbs.	
AC/DC Input		AC: 85~264V (50/60Hz) DC: 12V (S940 Battery)	
Battery Life (5)		30 splices with heat shrink protection 2 hours	
Operating Temperature		-10 to +50 C	
Storage Temperature		-40 to +60 C	

(1) Fibers based on ITU-T Standards, (2) Testing was done in a laboratory environment with similar fibers. Results are not guaranteed, (3) Applied to 12 fiber ribbon, (4) Using S924 Type Sleeve, (5) Using S199M12 (6) using TW fiber

- **Standard Package**

Item	QTY	Model	
		<b>S199M12</b>	<b>S199M24</b>
Splicer Body	1	S199M12	S199M24
Power Unit	1	S950	S970
Battery	1	S940	
Electrode	1 pair	S961	S961
Heater	1	S199X-12	S199X-12
Charger	1	S199X-13	S199X-13
AC Power Cord	1	S199X-15	S199X-15
Case	1	S199X-17	S199X-17
Manual	1	English	English

- **Extended Accessories**

Item	P/N	Note
Battery Charger	S954A	used for S940 Battery Charging
RS232 Cable	S199X-31	