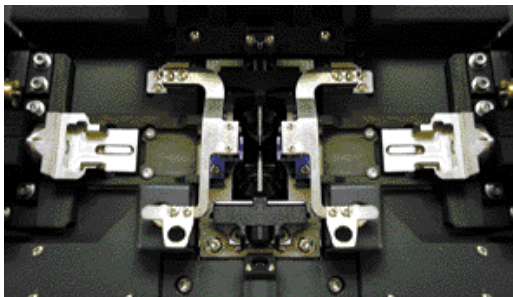




S182PM-H Polarization Maintaining Fiber Fusion Splicer

KEY FEATURES



Redesigned Splice Chamber accommodates Fitels New Fiber Holder System !

- New Fiber Holder System for easy handling during high strength splicing procedure.
- Fully automated splicing for PM fiber and conventional fiber.
- High strength splicing for over 100KPSI with short cleave length.
- Dissimilar fiber splicing for specialty fibers, including erbium-doped fibers.
- Fast PANDA fiber splice.
- Low splice loss of 0.07dB and high extinction ratio of 32dB for PANDA fiber.
- Ergonomic, easy-to-use machine designed for high-productivity.

SPECIFICATIONS

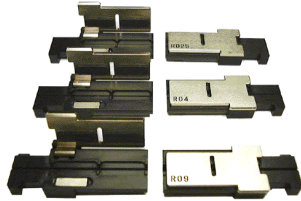
Splicing Method:	Core aligning for SM, DS, EDF fibers; Clad aligning method for PM and MM fibers
Extinction ratio for PM fiber (typical):	32dB or higher
Reflection:	-60dB or lower
Average Loss:	Average splice loss: PM: 0.07dB, SM: 0.03dB, MM: 0.02dB, DS: 0.05dB
Splice Time:	60-90s (typical for non-high-strength PM Splicing) 120s (typical for high-strength PM splicing)
Heating Time:	90s (typical for 60mm length sleeve)
Applicable Fibers:	PM fibers (PANDA, TIGER), SM, MM, DS, EDF fibers.
Coating Diameter:	0.25/0.4/ 0.9mm loaded with respective fiber holders and V-grooves
Cleave Length:	3-5mm (16mm for 0.9mm coating diameter)
Splice Programs:	32
Protection Sleeve Programs:	8 programs: 4 pre programmed and 4 customizable
Splice Tension Test:	200g
Dimension/Weight:	10" L x 9" W x 6" H /19.8 lbs.
Monitor:	5" color, 264X magnification
Splice Memory:	400 splices

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V-Groove Illumination:	Yes, LED
Power Supply:	AC100-120, 200-240V DC
Operating Environment:	Temp: 14°-122°F, Humidity: 90% at 100°F; Alt.: 2,000ft.
Storage Environment:	-40° to 140°F
Splice Data Output:	RS232C
Video Output:	PIN
Languages:	10
Main Screen Display:	Operating message, arc counter, time, heater status, estimated loss, (simultaneous) X- and Y-views

- Other Features:**
- Auto sleep mode
 - Dust check
 - Environmental sensor at splice point
 - Easily removable electrodes
 - Fiber dimension function (provides clad and core widths of fiber)splice loss data analysis (graphing, lists, data output)

S182PM-H Fiber Holders:



STANDARD PACKAGE

Description	Model Number	Quantity
Main body:	S182P-01	1
Top case:	S182P-02	1
AC power cord:	S182X-03	1
Standard electrodes	S182A-04	2 pairs (1 for spare)
Broad electrodes	S182K-04	2 pairs (1 for spare)
Spare fuse	S182X-05	1
Left V-groove for 0.25-0.4mm coating	S182P-06	1
Right V-groove for 0.25mm coating	S182P-07	1
Right V-groove 0.4mm coating	S182P-08	1
Left V-groove for 0.9mm coating	S182P-A03	1
Right V-groove for 0.9mm coating	S182P-A04	1
Electrode cover	S182P-09	1 pair
Broad electrode cover	S182P-10	1 pair
Fiber holder stopper	S182P-14	1 pair
250µm PM Fiber holder	S708S-025	1
400µm PM Fiber holder	S708S-040	1
900µm PM Fiber holder	S708S-090	1
User's Manual		1

CONSUMABLES

- Sleeve: S921 (60mm), S922 (40mm)
- Mini sleeve: S928A-20 (20mm), S928A-25 (25mm), S928A-35 (35mm)

RECOMMENDED ACCESSORIES

Description	Model Number
High Precision Cleaver	S323A
Tabletop Thermal Stripper	S219
Ultrasonic Cleaver	S182X-21
Recoater	S541A

OPTIONAL ACCESSORIES

Description	Model Number
Mini sleeve adapter	S182X-A07



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