

OPTICAL FIBER FUSION SPLICER

S122 Series Hand-Held Fusion Splicer



DESCRIPTION

With its super low profile and new user interface, the Fitel S122 series fusion splicer offers next generation workability for every splicing field, FTTX, LAN, backbone, or long-haul installations. Combining the portability, power flexibility and field ruggedness of FITEL's previous generation of hand-held splicers with the proven quality and performance of our ribbon splicers, the S122 delivers fast and consistent splicing with outstanding mobility and extreme ease-of-use.

FEATURES

SUPERB MOBILITY AND WORKABILITY

Super low profile design, with only 1.85" height at the keypad, the S122 provides a stable working environment both on the work bench and palmtop. Attaching the S122 to the Work Table (optional) enables hands-free operation, as well as easy access to various work fields by folding the splicer upward.

RUGGED BODY

The top body and windshield are made of magnesium die-cast. The bottom body is protected with rubber corner pads. With its simple and flat shape, the S122 can survive during harsh conditions.

NEW GUI & LCD SCREEN

Featuring a new GUI (graphical user interface) and transreflective LCD screen technology, the S122 operation is a snap! Function keys are simple and information displays are crisp and clear even in direct sunlight.

MULTI-WINDOW FIBER DISPLAY

The LCD display shows the splicing process with simultaneous X and Y camera views, as well as status icons monitoring the machine conditions.

FAST AND ACCURATE

The fast 13-second splice time and 37-second heat time creates a highly efficient work environment. The S122 observes the fiber from 2 directions just as all high-end splicers, promising high quality splice from trunk to FTTX.

ENHANCED EASE OF USE

Memory for fiber image, counters for cleaver and stripper blade replacement and visual maintenance instructions are provided for your ease of use.



SPECIFICATIONS

ITEM	DESCRIPTION
Fiber Types	SMF, MMF, DSF, NZDSF
Cladding Diameter	125µm
Coating Diameter	250µm to 900µm for single fiber 300µm to 400µm for ribbon (thickness) [S122M4 only]
Average Splice Loss	SMF: 0.05dB, MMF: 0.03dB DSF: 0.08dB, NZDSF: 0.08dB
Splice Time	13 sec. (S122A), 15 sec. (S122M4)
Heat Time	Single Fiber: 37 sec. (40mm), 51 sec. (60mm) Ribbon Fiber: 45 sec. (40mm)
Tension Test	1.96N
Applicable Sleeve Length	40/60mm
Program Memory	Splice Programs: Max. 150 Heat Programs: Max. 12
Splice Memory	Max. 1,500
Fiber Image Display	Simultaneous two-axis display Magnification 120X (S122A), 40X (S122M4)
Dimensions	140W x 189L x 73H mm
Weight	800g/1.8lb. (body), 170g/0.4lb. (battery)
AC Input	100 to 240VAC
DC Input	S943 Li-ion battery (11.1V, 2300mAh)
Battery Capacity	90 splices or 50 splices with heat shrink protection
Operating Temp.	-10Co to +50Co
Storage Temp.	-40Co to +60Co

LINEUP

MODEL	APPLICATION
S122A	Splicing for single fiber using Fiber Holder System
S122M4	Splicing for single fiber to 4-fiber ribbon using Fiber Holder System



PACKAGES

P/N	DESCRIPTION	S122A	S122A-KIT-1	S122A-KIT-2	S122M4	S122M4-KIT-1	S122M4-KIT-2
S122-A-A-0001	S122A Splice Body	•	•	•			
S122-M-A-0001	S122M4 Splice Body				•	•	•
S122-X-A-0002	Soft Carrying Case	•	•		•	•	
S122-X-A-0003	Strap	•	•	•	•	•	•
S122-X-A-0005	Hard Carrying Case			•			•
S211B	Fiber Stripper		•	•		•	•
S218R	Thermal Fiber Stripper					•	•
S325A	One-Action Precision Cleaver	•	•		•	•	
S709A-004	4-Ribbon Fiber Holders (pair)				•	•	•
S709S-250	250mm Fiber Holders (pair)	•	•	•	•	•	•
S709S-900	900mm Fiber Holders (pair)			•			
S943	Li-ion Battery	•	•	•	•	•	•
S943	Extra Li-ion Battery			•			
S957B	AC Adapter	•	•	•	•	•	•
S958B	Battery Recharger	•	•	•	•	•	•
S959	DC Adapter			•			•
S966	Electrodes (pair)	•	•	•	•	•	•
D5111	Electrode Cleaning Disk	•	•	•	•	•	•
FPF-01	Fiber Preparation Fluid			•			•
FW-01	Fiber Wipes			•			•
FTS-B291	Manual	•	•	•	•	•	•

OPTIONAL ACCESSORIES

P/N	DESCRIPTION
S122-X-A-0004	Working Table
S709A-002	2-Ribbon Fiber holders (pair)
S945	High Capacity Battery
CS202	Sheath Stripper
SS-01	Splicer Scissors

