

## OPTICAL FIBER FUSION SPLICER

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# 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

