FITEL

From Trunk to FTTX - The Next Generation

S122 SERIES
Hand-Held Fusion Splicer

S122A
S122M4
New! **S122M8**
New! **S122M12**

S122M4

FURUKAWA ELECTRIC

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.

KEY FEATURES:

Superb Mobility and Workability
Super low profile design, with only 4.7cm 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.

Real Time Arc Control (S122M8 and S122M12 only)
Patented process which increases consistency and reduces splice loss. Also, virtually eliminates the need for traditional arc checks by actively calibrating the arec during each splicing cycle.

Fiber Clamp Vibration System (S122M8 and S122M12 only)
New fiber clamp vibration system allows for easy fiver placement. System inspects axis offset before each splice and makes necessary adjustment for ideal splicing.

Automatic Fiber Count Identification (S122M8 and S122M12 only)
Unit automatically identifies fiber ribbon count and selects the proper program for splicing. There is no need to manually change the program when operators want to splice different fiber counts.

PRODUCT LINE UP:

Model	Application
S122A	Splicing for single fiber using Fiber Holder System
S122M4	Splicing for single fiber to 4-fiber ribbon using Fiber Holder System
S122M8	Splicing for single fiber to 8-fiber ribbon using Fiber Holder System
S122M12	Splicing for single fiber to 12-fiber ribbon using Fiber Holder System

STANDARD PACKAGE:

P/N	Description	S122A-C-S0	S122A-C-S1	S122A-C-H0	S122A-C-H1	S122M4-C-S0	S122M4-C-S1	S122M4-C-H0	S122M4-C-H1	S122M8	S122M12
S122-A-A-0001	S122A Main Body	1	1	1	1						
S122-M-A-0001	S122M4 Main Body					1	1	1	1		
S122-M8-A-0001	S122M8 Main Body									1	
S122-M12-A-0001	S122M12 Main Body										1
S943	Battery	1	1	1	1	1	1	1	1	1	1
S122-X-A-0002	Soft Carrying Case	1	1			1	1				
S122-X-A-0003	Strap	1	1	1	1	1	1	1	1		
S122-X-A-0005	Hard Carrying Case for A/M4			1	1			1	1		
S122-X-A-0006	Cooling Tray	1	1	1	1	1	1	1	1	1	1
S122-X-A-0007 (pair)	Fiber Reformer for M4					1	1	1	1		
S122-X-A-0008 (pair)	Fiber Reformer for M8/M12									1	1
S122-X-A-0009	Hard Carrying Case for M8/M12									1	1
S709S-250 (pair)	250um Fiber Holder	1	1	1	1	1	1	1	1		
S709A-004 (pair)	4 fiber ribbon Fiber Holder					1	1	1	1		
S709A-008 (pair)	8 fiber ribbon Fiber Holder									1	
S709A-012 (pair)	12 fiber ribbon Fiber Holder										1
S957B	AC Adapter & Cord for A/M4	1		1		1	1	1	1		
S971	AC Adapter & Cord for M8/M12									1	1
S958B	Battery Charger	1				1	1	1	1	1	1
S959U (USB Type)	DC Adaptor		1		1		1		1	1	1
S966 (pair)	Electrode for A/M4	2	2	2	2	2	2	2	2		
S967 (pair)	Electrode for M8/M12									2	2
FTS-B291	Instruction Manual for A/M4	1	1	1	1	1	1	1	1		
FTS-B302	Instruction Manual for M8/M12									1	1
D5111	Electrode Sharpener	1	1	1	1	1	1	1	1	1	1

OPTIONAL ACCESSORIES:

S122-X-A-0002	Soft Carrying Case
S122-X-A-0004	Working Belt
S122-X-A-0005	Hard Carrying Case for A/M4
S122-X-A-0006	Cooling Tray
S122-X-A-0007 (pair)	Fiber Reformer for A/M4
S122-X-A-0008 (pair)	Fiber Reformer for M8/M12
S122-X-A-0009	Hard Carrying Case for M8/M12
S210	Fiber Stripper
S218R	Thermal Fiber Stripper
S325A	One-Action Precision Cleaver
S709S-250 (pair)	250um fiber holder
S709S-500 (pair)	500um fiber holder
S709S-900 (pair)	900um fiber holder
S709A-002 (pair)	2 fiber ribbon Fiber Holder
S709A-004 (pair)	4 fiber ribbon Fiber Holder
S709A-006 (pair)	6 fiber ribbon Fiber Holder
S709A-008 (pair)	8 fiber ribbon Fiber Holder
S709A-010 (pair)	10 fiber ribbon Fiber Holder
S709A-012 (pair)	12 fiber ribbon Fiber Holder
S959U (USB Type)	DC Adaptor
S943	Battery
S945	High Capacity Battery
S966 (2pcs)	Electrode for A/M4
S967 (2pcs)	Electrode for M8/M12

S122M8

S122M4

S122M12

S122A

S122 Series

SPECIFICATIONS:

Item	Specification
Fiber Types	SMF, MMF, DSF, NZDSF
Cladding Diameter	125μm
Coating Diameter	250μm to 900μm for single fiber
	280μm to 400μm for ribbon (thickness) [S122M4. S122M8. S122M12]
Average Splice Loss	SMF: 0.05dB, MMF: 0.03dB
	DSF: 0.08dB, NZDSF: 0.08dB
Splice Time	13 sec. (S122A), 15 sec. (S122M4. S122M8. S122M12)
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 (S122A. S122M4), Max. 1,000 (S122M8. S122M12)
Fiber Image Display	Simultaneous two-axis display
	Magnification 120X (S122A), 48X (S122M4), 28X (S122M8. S122M12)
Dimensions	140W x 189L x 73H mm (S122A. S122M4),
	140W x 189L x 86H mm (S122M8. S122M12)
Weight	800g/1.8lb. (S122A. S122M4),
	960g/2.1lb. (S122M8. S122M12), 170g/0.4lb. (battery)
AC Input	100 to 240VAC
DC Input	13~18V
Battery Capacity	50 splices with heat shrink protection (122A. S122M4),
	40 splices with heat shrink protection (122M8. S122M12)
Operating Temp.	-10℃ to + 50℃
Storage Temp.	-40℃ to + 60℃

FURUKAWA ELECTRIC CO., LTD.