

# *FSM-40S*

# */ FSM-40S-B*

## *Optical Fiber Fusion Splicer*

[Fujikura FSM-40SB Specs](#)  
Provided by [www.AAATesters.com](http://www.AAATesters.com)

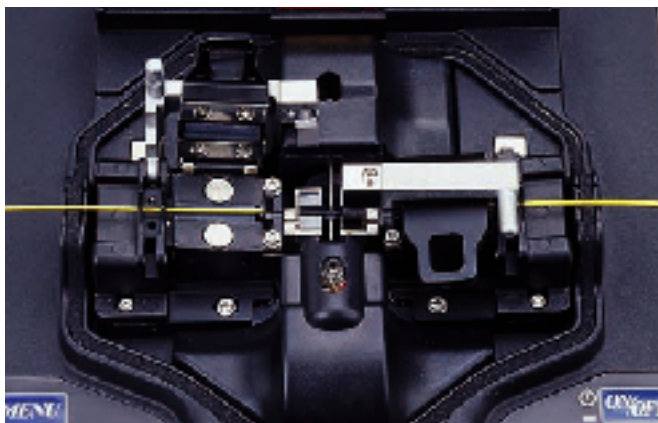


*Front monitor type  
(FSM-40S)*

*Top monitor type  
(FSM-40S-B)*

### *FEATURES*

- Core-to-core fiber alignment system
- Quick "15sec" splicing and Full automatic operation
- NZDSF (ITU-T G.655) splicing capability
- Dissimilar fiber splicing capability
- Compact and light-weight and various power supply options
- 2 CCD camera, No up-down mirror
- High resolution 5 inch color LCD monitor
- Automatic Arc Calibration function for stable arc discharge
- Automatic fiber type identifier and self diagnostic test function
- PC Communication function with RS232C  
(Splice results, splicing parameters, etc.)
- Two different types to choose from  
Front monitor or top monitor



Top View of FSM-40S



Accessories

## SPECIFICATIONS

● applicable fibers	SM(Singlemode), MM(Multimode) and DS(Dispersion shifted) fibers, NZ-DS (Non-zero dispersion shifted), CS(Cut-off shifted) and ED(Er doped) fibers are also applicable with special mode.
● No. of fibers to be spliced	Single to single fiber.
● Fiber cleaved length	8 to 16mm with 250um outer coating diameter. 16mm(standard) or 8 to 16mm (option) with outer coating diameter of more than 250um up to 1000um (1.0mm).
● Actual average splice loss	0.02dB with SMF, 0.01dB with MMF and 0.04dB with DSF to ITU-T Recommendations G.652, G.651 and G.653 respectively, when measured by the cut-back method to relevant ITU-T and IEC standards.
● Splicing time	Typical 15 sec.
● Return loss	>>60dB.
● Splicing modes	40 user programmable modes and up to 60 modes for reference (factory predetermined setting).
● Splice loss estimate	Core deformation and MFD mismatch as well as core axial offset can be taken into account for more accurate estimate.
● Attenuation splice function	intentional high splice loss of 0.1dB to 15dB (0.1dB step) can be made for an in-line fixed attenuator.
● Storage of splice result	The last 2000 results to be stored in the internal memory.
● Fiber display	X/Y, or both X and Y simultaneously.
● Magnification of fiber	264X or 132X.
● Viewing method	CCD camera and 5" TFT color LCD monitor.
● Altitude, Humidity and Temperature compensation	0 to 3,500m above sea level, 0 to 95%RH and - 10 to 50°C, respectively.
● Mechanical proof test	2N (standard) / 4.4N (option)
● Tube heater	Built-in tube heater with 30 heating modes.
● Applicable protection sleeve length	60mm, 40mm and a series of micro sleeves.
● No. of splices with detachable battery	Approx. 40 times (including heatings) per full charge with BTR-05.
● Power supply	Auto voltage selection from 100 to 240V.a.c. with ADC-07, 10.5 to 14Vd.c. with DCA-01 and 12Vd.c. with BTR-05.
● Wind protection	Max. wind velocity of 15m/s.
● Dimensions	172W x 186D x 180H (mm)
● Weight	FSM-40S : 4.4kg (4.9kg including AC adaptor ADC-07) FSM-40S-B : 4.7kg (5.2kg including AC adaptor ADC-07)

## ITEMS INCLUDED WITH THE FSM-40S / 40S-B SPLICER KIT

Item	Description	Model	Splicer model		Q'ty
			FSM-40S	FSM-40S-B	
(1)	Detachable AC adapter / battery charger	ADC-07	●	●	1 pc.
(2)	AC power cord	ACC-XX	●	●	1 pc.
(3)	Spare electorodes	ELCTI-25	●	●	1 pair
(4)	Top cover	TC-03A	●	—	1 pc.
(5)	Top cover	TC-03B	—	●	1 pc.
(6)	Monitor cover	MC-01	●	—	1 pc.
(7)	Rugged FRP case	CC-02	●	—	1 pc.
(8)	Rugged FRP case	CC-03	—	●	1 pc.
(9)	Instruction manual	—	●	●	1 pc.

## OPTIONAL ACCESSORIES

Description	Model No.
Detachable battery pack	BTR-05
Battery charge cord	DCC-08
Detachable DC adapter	DCA-01
DC power cord	DCC-01/04/05
Working table	WT-5
Working table support	WTS-4/WTS-5
J-plate (option for FSM-40S)	JP-03A
High precision fiber cleaver	CT-20 Series
Primary coat stripper	PS-02
Nylon Jacket stripper	JS-01
Alcohol dispenser	HR-1
Protection sleeves	FP-03/03(L=40),FPS01 Series

Specifications and descriptions are subject to change without prior notice.

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