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Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

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New model

New standard...

Mass Fiber Fusion Splicer ***FSM-50R***



Features

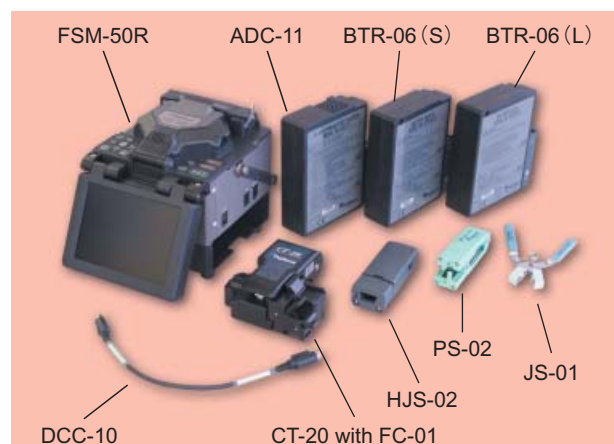
- Suitable for ribbon fiber splicing
- FSM-50R12: Splicing up to 12-fiber ribbon
- FSM-50R8: Splicing up to 8-fiber ribbon
- Cladding alignment with fixed V-grooves
- Dual-directional operating system
- Arc calibration-free system
- Automatic fiber loading system
- Large capacity slot-in battery
- Simple operation steps

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SPECIFICATIONS	
Model	FSM-50R12: Mass fusion splicer up to 12-fiber FSM-50R8: Mass fusion splicer up to 8-fiber
Applicable fibers	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655)
Fiber Count	FSM-50R12: Single, 2, 4, 5, 6, 8, 10 and 12 FSM-50R8: Single, 2, 4, 5, 6 and 8
Fiber cleaved length	10mm
Actual average splice loss	0.05dB with SM, 0.02dB with MM, 0.08dB with DS, and 0.08dB with NZDS. Measured by cut-back method relevant to ITU-T and IEC standards.
Splicing time	Typical 20seconds
Return loss	>>60dB
Splicing modes	40 user programmable modes and up to 60 modes for reference (factory predetermined setting).
Splice loss estimate	Available
Storage of splice result	FSM-50R12: The last 400 results to be stored in the internal memory. FSM-50R8: The last 500 results to be stored in the internal memory.
Fiber display	X / Y, or both X and Y simultaneously.
Magnification	FSM-50R12: 35x FSM-50R8: 49x
Viewing method	Two CMOS cameras and 5.6inch color LCD monitor.
Operating condition	0 to 3,660m above sea level, 0 to 95%RH and -10 to 50°C respectively.
Mechanical proof test	2N
Tube heater	Built-in tube heater with 10 heating modes and up to 20 modes for reference.
Tube heating time	Typical 40seconds with FP-04(T), 45seconds with FP-05 protection sleeves.
Applicable protection sleeve length	60mm and 40mm
No. of splice/heating with battery	Typical 70 cycles with BTR-06(S) / Typical 140 cycles with BTR-06(L).
Power supply	Auto voltage selection from 100 to 240V AC or 10 to 15V DC with ADC-11, 13.2V DC with BTR-06(S)/(L).
Terminals	USB 1.1 (USB-B type) for PC communication. Video terminal RCA video jack / NTSC.
Wind protection	Max. wind velocity of 15m/s.
Dimensions	150W × 150D × 150H (mm)
Weight	2.2 kg (2.7kg including AC adapter ADC-11)

STANDARD PACKAGE		
Description	Model No.	Q'ty
Arc Fusion Splicer	FSM-50R12 or FSM-50R8	1pc.
AC adapter / Battery charger / DC inlet	ADC-11	1pc.
Carrying case	CC-12	1pc.
Monitor cover	MC-02	1pc.
AC power cord	ACC-XX	1pc.
Spare electrodes	ELCT2-20A	1pair
Instruction manual	-	1pc.

OPTIONAL ITEMS	
Description	Model No.
Detachable battery pack	BTR-06(S) / BTR-06(L)
Battery charge cord	DCC-10
DC power cord	DCC-12 (Cigarette lighter socket type) DCC-13 (Alligator clamp type)
J-plate	JP-04
Working table	WT-06
Working table support	WTS-06
Magnifying glass	MGS-05
High precision fiber cleaver	CT-20
Thermal jacket stripper	HJS-02
Primary coat stripper	PS-02
Nylon jacket stripper	JS-01
Tube heater	SH-7
Alcohol dispenser	HR-1
Protection sleeves	FP-03, FP-03(L= 40), FP-04(T), FP-05



Accessories



Top view of FSM-50R12

OPTIONAL FIBER HOLDERS									
Fiber	Single (0.25mm)	Single (0.9mm)	2-fiber ribbon	4-fiber ribbon	5-fiber ribbon	6-fiber ribbon	8-fiber ribbon	10-fiber ribbon	12-fiber ribbon
Model No.	FH-50-250	FH-50-900	FH-50-2	FH-50-4	FH-50-5	FH-50-6	FH-50-8	FH-50-10	FH-50-12

Specifications and descriptions are subject to change without prior notice.

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