

FSM-16S

Single Fiber Fusion Splicer



FEATURES

- Clad-to-clad alignment with precise V-groove
- Compact and lightweight
- Fully automatic operation with loss estimation
- Various powering options
- High resolution 5 inches LCD monitor provided
- X & Y fiber observed simultaneously
- Clean NiMH Battery

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Top View



Accessories

SPECIFICATIONS

● Applicable Fibers :	SM(Singlemode), GI(Graded Index), and DS(Dispersion Shifted) fibers Complying with ITU-T (CCITT) Recommendations G.652, G651 and G653 respectively
● Applicable Fiber Coating Diameters :	250 and/or 900 microns
● No. of Fibers to be spliced :	Single fiber to single fiber
● Splice Loss :	0.05 dB typical with SM fiber, 0.03 dB typical with GI fiber and 0.08 dB typical with DS fiber, when fiber cleave angles are less than or equal to one degree
● Return Loss :	>> 60 dB
● Cleaved Fiber Length :	8 to 16 mm
● Viewing Angle :	Both X and Y axes simultaneously
● Magnification of Fiber :	1 10X
● Viewing Method :	CCD camera and 5" LCD monitor
● Splice Loss Estimation to be made on :	SM, GI and DS fibers
● No. of Splicing Programs :	30 including 3 factory settings
● Splice Result Storage :	Last 300 splices
● Altitude Compensation :	0 to 3500 meters above sea level
● Mechanical Proof Test on spliced Fiber :	2N
● Applicable Splice Protector :	60 mm and 40 mm length heat-shrinkable splice protector
● Power Supply :	12 Vd.c with BTR-05, 85 to 265 Va.c using ADC-07
● Dimensions WxDxH :	150×150×150 mm (without Monitor)
● Weight :	3.0kg including battery, BTR-05
● No. of Fusion Splices and Heat Shrunken Splice Protectors with BTR-05 :	Approx. 30 times
● Max Wind Velocity :	15 m/s
● Splice Time :	Typical 25 sec.

ITEMS INCLUDED WITH THE FSM-16S SPLICER KIT

Item	Description	Model No.	Q'ty
(1)	Single Fiber Fusion Splicer	FSM-16S	1 pc
(2)	FRP Carrying Case	CC-01-16S	1 pc
(3)	Field Replaced Battery	BTR-05	1 pc
(4)	Battery Charger/AC adapter	ADC-07	1 pc
(5)	Instruction Manual(English)	-	1 pc
(6)	DC cord(for charging battery)	DCC-08	1 pc
(7)	Spare Electrode	ELCT2-16	1 pair
(8)	AC cord	-	1 pc

OPTIONAL ACCESSORIES

Description	Model No.
Splice Protector(60 mm)	FP-3
Splice Protector(40 mm)	FP-3(40)
Primary Coat Stripper	PS-02
Nylon Jacket Stripper	JS-01
High Precision Fiber Cleaver	CT-03/04/07/103/104/107
Handy Fiber Cleaver(Stapler Type)	CT-02
Alcohol Dispenser	HR-1
Top Cover	TC-01-16SA
Magnifier	MGS-03
J plate	JP-02A

Specifications and descriptions are subject to change without prior notice.

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