



FSM-16S

The technology embodied in the FSM-16S provides unprecedented utility in harsh outdoor splicing environments. Altitude/pressure compensation is provided to ensure proper arc conditions in extreme environments. In addition, the wind protector ensures a stable arc in cross winds in excess of 30 mph. The 5" color anti-reflective LCD monitor provides excellent visibility during splicing operations. With the small size, light weight and additional docking-bay for power modules, the FSM-16S is reliable for use in a variety of field scenarios.

features

- Fully automatic with loss estimation
- Simultaneous X-Y view with 110X magnification
- Extremely small and light weight to ensure field portability
- Ergonomic design for taut-sheath splicing

specifications

PARAMETER	VALUE
Fiber Splicing Capability	SM, MM, NZ-DS fibers
Splice Loss	0.05dB for SM, 0.02dB for MM, 0.08dB for DS (typical)
Return Loss	>60dB
Fusion Splices Per Battery Charge	-40 (Including use of the tube heater for splice protection sleeves)
Splice Sleeve Compatibility	40mm and 60mm sleeves, as well as micro sleeves (10 programmable tube heater modes)
Altitude Compensation Function	Fully automatic up to 3500 meters (11,500 feet)
Viewing Method	5" LCD color monitor with 110X fiber magnification, external RCA jack for NTSC video
Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +80°C
Power Supply	Modular bay accepts slide-in 12V 4.5 amp-hour battery pack or slide in AC adapter, AC adapter accepts 100 to 240 VAC (50/60 Hz). Optional slide-in adapter for 12V 2.0 amp-hour camcorder battery.
Dimensions (W x D x H)	150mm x 150mm x 150mm (5.9" x 5.9" x 5.9")
Weight	2.7kg (5.9 lbs) with AC adapter installed; 3.0kg (6.6 lbs) with battery installed
Splice Data Storage	300 splice data records



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ordering information

DESCRIPTION	PART #
FSM-16S Fusion Splicer (machine only) Each FSM-16S Fusion Splicer includes ADC-07 AC adapter/battery charger, AC cord, carrying strap, spare electrodes (pair), operation manual, transit case, BTR-05 battery, and DCC-08 charge cord.	S010660
FSM-16S Fusion Splicer Kit The kit includes a CT-20 Cleaver in addition to the FSM-16S, ADC-07 AC adapter/battery charger, AC cord, carrying strap, spare electrodes (pair), operation manual, transit case, BTR-05 battery, and DCC-08 charge cord.	S012804

accessories recommended for 16S

DESCRIPTION	PART #
Cleavers	
CT20-11 Cleaver	S012744
CT20-12 Cleaver	S012740
FC-01 Fiber Collector System	S012760
Batteries & Power Cords	
BTA-02 Camcorder Battery Adapter	S010232
ADC-07 AC Adapter/Battery Charger	S010240
BTR-05 Battery	S010756
DCC-08 Battery Charge Cord	S010764
Miscellaneous	
Electrodes (pair)	S010216
ST-3 Splice Tray Holder	S010860
One year extended warranty	S012996
Two year extended warranty	S013000