

Optical Fiber Fusion Splicer
Keyman S1

The lightest
The most convenient
The most productive



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Keyman S1, core to core aligning fusion splicer, is highly productive and conveniently designed for field engineer use.

1. Slide in-out monitor

- The monitor is protected from outer impact by sliding in the body while not in use.
- 5,6 inch wide monitor
- Easy to control with well organized Menu.



2. Dual tube heater

- Consecutive operation without any waiting. (30% improved productivity)
- Able to process consecutive or individual operation with 2 spaces, for high temp and for low temp, in one heater box.



3. Cooling Space

- Deployment of cooling space between heater and monitor for convenient use after sleeve heating.

4. Sleeve loader

- It avoids sleeve contaminations while operating in a manhole or rainy day.



5. Long-lasting battery and level meter

- 200 times with a standards battery.
- 400 times with an extra battery.
- Able to recharge during operation with a lithium polymer battery.
- No battery maintenance needed (Built-in Safety circuit)
- Easy to check battery level with a level meter on the switch board.

Accessories



CI-01



CI-02



CI-03



Electrodes



Blade



cleaning paper



Alcohol dispens



Sleeve



Large capacity battery pack

SPECIFICATIONS

Subject	Description
Alignment	Core to Core Alignment
Applicable fibers	SMF(ITU-T G.652), MMF(ITU-T G.651), DSF(ITU-T G.653), NZDSF(ITU-T G.655), EDFA, EI980, Splicing available with different type fiber(SM/MM)
Fiber Diameter	cladding : 80 μ m ~ 150 μ m, coating : 100 μ m ~ 1000 μ m (Single)
Fiber cleave length	250 μ m (Coat) : 8 ~ 16mm, 900 μ m : 16mm
Typical splice loss	SMF : 0.02dB, MMF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB
Return loss	>-60dB
SPLICE Time	SPLICE : Typical 9sec, Tube Heat : Typical 26sec with S-160(60mm) Tube
Program	SPLICE Mode : 100, Heat Mode : 50
Storage of splice result	the last 2,000 results
Operating altitude	0 ~ 5000m above sea level
Operating condition	-10 $^{\circ}$ C to 50 $^{\circ}$ C, humidity : 95%, non-Condensing
Storage condition	-40 $^{\circ}$ C to 80 $^{\circ}$ C, 0 to 95% RH
Wind protection	15m/s
SIZE, Weight	150W \times 190D \times 120H (include Monitor), 2.6kg (include Battery)
Terminal	USB, RCA, External Power
Power	DC 14.8V Battery (5600mAh), 100 ~ 240V AC Charger
Additional power	DC 12V automobile cigar jack available
No. of splice/Heating with battery	typical 200cycle with S-1B, Typical 400cycle with S-SB
Electrode	more than 3,000 times splicing without exchange
Mechanical proof test	2N / 4.4N (OPTION)
Display	Two CMOS cameras and 5.6" color LCD monitor
Magnification	X or Y \rightarrow 300X, X and Y \rightarrow 180 X
Attenuation	0.1dB~15dB
X, Y, Z axis	Movable for alignment
Monitoring of Splicing Status	One or two displays

STANDARD PACKAGE

Description	Model	Q'ty
Arc Fusion Splicer	S1	1
AC Charger	S-11	1
Sleeve Loader	S-12	2
Spare Electrodes	S-1E	1
Battery Pack	S-1B	1
Alcohol dispenser	AD	1
Carrying Case		1
User Manual		1

OPTION

Description	Model
Battery Pack	S-SB (Super Battery)
Fiber Cleaver (Auto)	CI-01, CI-02, CI-03
Heating Stripper	Auto Stripper(ATS)
Fiber Solution	Multipack(MP-S)
Tube	S-160(60mm), S-140(40mm)



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