

Optical Fiber Fusion Splicer

Keyman S1



**Most advanced DCA(Direct Core to core Alignment)
type Ergonomic arc fusion splicer with the most smallest, lightest, fastest
and convenient design focus on field engineer use**

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)
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, 250 μ m ~ 1000 μ m : 16mm
Typical splice loss	SMF : 0.02 dB, MMF : 0.01 dB, DSF : 0.04 dB, NZDSF : 0.04 dB
Return loss	>-60 dB
SPLICE Time	SPLICE : Typical 9sec, Tube Heat : Typical 26sec with S-160(60mm) Tube
Program	SPLICE Mode : 40, Heat Mode : 13
Storage of splice result	the last 2,000 results
Operating altitude	0 ~ 5000m above sea level
Operating temperature	-10°C to 50°C, humidity : 95%, non-Condensing
Storage temperature	-40°C to 80°C
Wind protection	15m/s
SIZE, Weight	150W x 190D x 120H (include Monitor), 2.6kg (include Battery)
Terminal	USB 2.0, 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)

STANDARD PACKAGE

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

OPTION

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

Accessories



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Keyman S1 Patent pending

S1 is a most advanced DCA(direct core to core aligning system) adaptation arc fusion splicer with field engineer friendly ergonomic style, result in the most smallest(include Monitor 150W x 190D x 120H), lightest(include Battery 2.6Kg), fastest(splice time : 9sec, tube heat time : 26sec), Eco-friendly RoHS compliant. Keyman S1 is not a mere tools, it is a beauty works of Art.



Slide In 5.6" Color Monitor

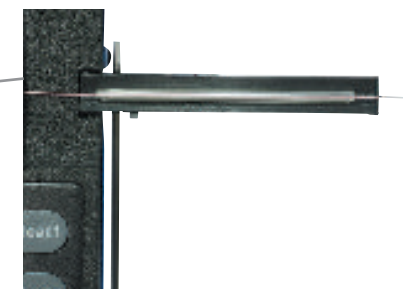
- ▶ Monitor can be protected from outside impact due to slide in storage in the main body
- ▶ Ergonomic rear location slide in monitor ensure the user's working efficiency space is expanded
- ▶ 5.6" Color TFT LCD Monitor provides visual indication of fusion splicing process



Dual Tube Heater

- ▶ One cabin dual heater oven- one for High temp, the other for low temp- can give consecutive or independent tube heat (High temp : Independent process, Low temp : Consecutive process)
- ▶ V-shape heater module structure provides faster heating and cooling process (Heat Time 26sec with S-160 Tube)
- ▶ Embodied Cooling tray between heater and monitor

Cooling Space



Sleeve Loader

- ▶ Innovative and Convenient portable Sleeve Loader allows expanded working efficiency and precision (Right and left both side available)
- ▶ Hi definition lamp illuminates night Working environment
- ▶ RoHS Compliant
-Pollutant -free materials of eco-friendly



Large capacity battery & Level Meter

- ▶ Large capacity Lithium polymer battery guarantees long term storage due to less natural discharging rate while repeated charge & discharge usage will not cause battery deterioration (built in safety circuit)
- ▶ Check the battery capacity more easier with battery meter on switch board
- ▶ Additional Extra large capacity battery- Option