

## Direct Core Alignment Arc Fusion Splicer



- > 5.6" LCD colour monitor (folds away when not in use)
- > Dual tube heater - high & low temperature
- > Innovative sleeve loader
- > Large capacity Lithium polymer battery (built in safety circuit)
- > Compact and light weight unit
- > RoHS Compliant

## Introduction

The ILSintech Direct Core Alignment Arc Fusion Splicer is an advanced core to core aligning system. Designed for easy, convenient and fast fibre optical cable preparation work in the field, the Keyman-S1 reduces optical fibre installation time and increases efficiency in production.

The Keyman-S1 Direct Core Alignment Arc Fusion Splicer features a foldaway monitor which slides easily into the unit when not in use, protecting the screen from damage during transport. The 5.6" Colour TFT LCD Monitor along with the high definition lamp provide clear visualisation of the fusion process. The dual-heat oven, suited for high and low temp applications, with a V shape enables faster heating and cooling times. Combined with the embedded cooling tray, the Keyman-S1 is designed to make optical fibre fusion efficient and easy.

## Specifications

Subject	Description
Alignment	Core to core alignment
Aplicable fibres	SMF(ITU-T G.652), MMF(ITU-T G.651), DSF(ITU-T G.653), NZDSF(ITU-T G.655)
Fibre Diametre	cladding : 80µm ~ 150µm, coating : 100µm ~ 1000µm (Single)
Fibre cleave length	250µm (Coat) : 8 ~ 16mm, 250µm ~ 1000µm : 16mm
Typical splice loss	SMF : 0.02dB, MMF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB
Return loss	>-60dB
Splice time	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° to 50°C, humidity : 95%, non-condensing
Storage temperature	-40° to 80°C
Wind protection	15 m/s
Dimensions	150mm (w) x 190mm (d) x 120mm (h) (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 charger 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)

## Ordering Details

Description	Part Number
Il sintech Keyman-S1 Direct Core Arc Fusion Splicer	IL KEYMAN-S1

## Standard Package Inclusions

Description	Q
Arc Fusion Splicer	S1 1
AC Charger	1
Sleeve Loader	1
Spare Electrodes	1
Battery Pack	1
Carrying Case	1
User Manual	1

## Options

Description	Model No
Battery Pack	S-SB (Super Battery)
Fibre Cleaver (auto)	CI-01, CI-02, CI-03
Heating Stripper	Auto Stripper(ATS)
Fibre Solution	Multipack(MP-S)
Tube	S-160(60mm), S-140(40mm)