Optical Fusion Splicer

F-KL-260C

- Both X and Y axis display
- Large multiple & visible fiber core
- Turn-over display screen to use conveniently
- Inner light to set fiber at night
- Auto check end-face of fiber
- Auto calculate splicing loss
- Auto select suitable fusion program
- Small bulk and light weight & alternating /Direct Current available
- Screen menu for simple operation
- Concave weatherproof cover & Max. wind velocity of 15m/s

Features and Applications:

Model	F-KL-260C
Applicable fibers	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655)
Fiber cleaved length	8~16mm （Coating diameter：250μm） 16mm （Coating diameter: 250 ~ 1000μm）
Fiber diameter	Cladding diameter：80 ~150μm Coating diameter：100~ 1000μm
Fiber Count	Single
Fiber aligning method	Core aligning
Image processing method	Analog + Digital
Actual average splice loss	0.02dB （SM），0.01dB (MM), 0.04dB (DS)，0.04dB(NZDS)
Splicing time	Typical 9 sec，with standard SM fiber
Splicing mode	12(templet), 188(user)
Splice loss estimate	Accurate
Return loss	＞60dB
Storage of splice result	5000 results 3 parameter per result
Fiber display and magnification	400X（X or Y view），200X（X and Y view）
Tube heating time	Typical 30 sec

Tube heating mode	Heating time can be adjusted
Tube heating temperature	Can not be adjusted
Applicable Protection sleeve length	60mm, 40mm and a series of micro sleeves
Tension test	2N
Electrode life	2500
No.of splice/heating with battery	Typical 150 cycles (splice/tube heat) with inner Li-battery
Display screen	5 inch color LCD monitor
Image change over	The fiber image is turned upside down
Terminals	RS232
Operating condition	0 ~ 5000m above sea level, 0 ~ 95%RH and -10～50 ℃, respectively, Max. wind velocity of 15m/s
Power supply	AC 100-240V with AC adapter; inner Li-battery(8000mAH)
Dimensions	172mm(L) x180mm (W) x145mm (H)
Weight	3.6 Kg excluding battery, 4.1Kg including battery

Functions:

Model	KL-260C
Splicing mode	Auto
Fiber cleaved angle threshold set	0.5 - 8°, 0.5°step
Display fiber cleaved angle	Unavailable
Display fiber offset angle	Unavailable
Auto focusing	Unavailable
Auto aligning	Available
Auto detect cleaved endface fault	Unavailable
Display core offset	Unavailable
Display clad offset	Unavailable
Fiber partial core Compensation	Unavailable
Arc strength automatic adjustment	Unavailable
Display inside temperature	Unavailable
Display ambient temperature	Unavailable
Display heater temperature	Unavailable
Display air pressure	Unavailable
Display battery voltage	Unavailable
Taper Splice	Unavailable
Sleep	Unavailable
Auto Shut down	Unavailable

Software upgrade	**Unavailable**

Configuration

Optical Fusion Splicer

F-KL-300T F-KL-300 F-KL-208

Features

- Core to core alignment by PAS technology
  (PAS:Profile Alignment System)
- Digital fusion splicer with automatic focus function
- Fiber core can be display clearly

Single X or Y view and X & Y view simultaneously

Auto detect cleaved endface fault

- Display fiber cleaved and offset angle
- Display core and clad offset
- 5.6 inch TFT color LCD monitor with clear digital image display
- USB & VGA interface
- Software upgrade via USB interface

Features and Applications:

Model	F-KL-300T
Applicable fibers	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655)
Fiber cleaved length	8~16mm（Coating diameter：250μm） 16mm（Coating diameter: 250 ~ 1000μm）
Fiber diameter	Cladding diameter：80 ~150μm Coating diameter：100~ 1000μm
Fiber Count	Single
Fiber aligning method	Core or clad aligning

Image processing method	Digital
Actual average splice loss	0.02dB （SM）, 0.01dB (MM), 0.04dB (DS), 0.04dB(NZDS)
Splicing time	Typical 9 sec，with standard SM fiber
Splicing mode	53(templet), 40(user)
Splice loss estimate	More accurate
Return loss	＞60dB
Storage of splice result	4000 results，20 parameter per result
Fiber display and magnification	300X（X or Y view）,150X（X and Y view）
Tube heating time	Typical 30 sec
Tube heating mode	9(templet), 24(user)
Tube heating temperature	Can be adjusted
Applicable Protection sleeve length	60mm, 40mm and a series of micro sleeves
Tension test	2N
Electrode life	2500
No.of splice/heating with battery	Typical 150 cycles (splice/tube heat) with inner Li-battery
Display screen	5.6 TFT inch color LCD monitor
Image change over	The fiber image is turned upside down
Terminals	USB 1.1 and VGA
Operating condition	0 ~ 5000m above sea level, 0 ~ 95%RH and -10～50℃, respectively, Max. wind velocity of 15m/s
Power supply	AC 100-240V with AC adapter; inner Li-battery(8000mAH)
Dimensions	150mm(L) x150mm (W) x150mm (H)
Weight	2.7 Kg excluding battery,3.2 Kg including battery

Functions:

Model	F-KL-300	F-KL-300T	F-KL-280
Splicing mode	Auto \Calibrate Normal \Special	Auto \Calibrate Normal \Special	Auto
Fiber cleaved angle threshold set	0.1 - 10.0 ° 0.1°step	0.1 - 10.0 ° 0.1°step	0.5 - 8°, 0.5°step
Display fiber cleaved angle	•	•	—
Display fiber offset angle	•	•	—

Auto focusing	●	—	—
Auto aligning	●	●	●
Auto detect cleaved endface fault	●	●	—
Display core offset	●	●	—
Display clad offset	●	●	—
Fiber partial core Compensation	●	●	—
Arc strength automatic adjustment	●	●	—
Display inside temperature	●	●	—
Display ambient temperature	●	●	—
Display heater temperature	●	●	—
Display air pressure	●	●	—
Display battery voltage	●	●	—
Taper Splice	●	●	—
Sleep	●	●	—
Auto Shut down	●	●	—
Software upgrade	●	●	—
●:Available		—:Unavailable