

## Optical Fiber Fusion Splicer KT-3000T

(Equal to FSM50S)

[www.kt-elec.com](http://www.kt-elec.com)



### 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

## SPECIFICATION

<b>Model</b>	<b>KT-3000T</b>
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: 250 $\mu$ m) 16mm (Coating diameter: 250 ~ 1000 $\mu$ m)
Fiber diameter	Cladding diameter: 80 ~150 $\mu$ m Coating diameter: 100~ 1000 $\mu$ m
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 $^{\circ}$ C, respectively, Max. wind velocity of 15m/s
Power supply	AC 100-240V with AC adapter; inner Li-battery(6600mAH)
Dimensions	150mm(L) x150mm (W) x150mm (H)
Weight	2.7 Kg excluding battery,3.2 Kg including battery

## FUNCTION

Model	KT-3000	KT-3000T	KT-2800
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			