



**Tianjin Eloik Communication Equipment
Technology Co., Ltd**

ALK-A3 Optical Fiber Fusion Splicer







1. Technology Indexes

Table 1-1 Main technical indexes

Applicable Optical Fiber Types	SM (G.652/G.657), MM (G.651), DS (G.653), NZDS (G.655), EDF,BIF/UBIF (G.652/G.657), MM (G.651), DS (G.653), NZDS (G.655), EDF,BIF/UBIF
Applicable Optical Fiber Core Number	Single core
Applicable Optical Fiber Diameter	Cladding Diameter: 90-150 μ m,Coating diameter:125~1000 μ m
Fusion splice Model	Prestore:40 groups, User define: 80 groups
A verage Fusion Splice Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
Echo Loss	better 60dB
Fusion splice Duration Time	9sec(typical parameter)
Heating time	Fusion-Protection Sleeves 22s Fast heating (customizable)
Number of motors	4/6
Password control	Optional
Splice loss assessment	Yes
Operation method	Simple to use, one-touch operation, automatic welding with cover
Corrosion Resistance	Equipment components, Parts and materials meet composite anti-corrosion requirements, Anti-fluid pollution
Working aloft	Require additional configuration platform
Alignment	Core alignment, Cladding alignment, Precise Alignment
Loss Estimation of Fusion Splice	Exist
Optional Fixtures	0.9, 250, 3.0 seprately Holders
LCD screen	LCD screen is resistant to impact, scratches, and protective shell
Splice Records	Can detect the angle and verticality of the recording fiber and the angle between the fibers
Night work lighting	Double LED Whitelight

Arc Calibration	Automatic / Semi-automatic (optional)
Splicing Picture	No
Applicable Optical Fiber Cable Diameter	2mm,3mm,4mm,6mm
Applicable Sleeve Length	60mm, 45mm, 40mm(FP-03)
Heating temperature	Below 200°C(customizable)
Fiber Cleaver	Standard cutting knife
Body Color	Red
Power system protection program	Lithium battery: Fire Protection; Explosion Protection High Temperature Protection, Circuit Board: Over-current and Over-voltage Protection
Password protection	Authorized control usage time and welding times
Tension Test	2N or more (optional)
Monitor	5-inch color LCD, Chinese, Traditional Chinese, Thai, English, German, Polish, Russian, Portuguese, Spanish, Vietnamese, Italian, French,12 radios
Optical Fiber Magnification Times	X/Y:115 times, X or Y:230 times
Power Supply	11.1V lithium battery, 13.5V/5A power adapter
Battery	Typical work more than 200 times (welding/heating), single charge 3H, can be recharged 500 times, 5200mAh lithium battery
Splice Results Storage	10000 Records
Data Interface	USB2.0
Operating Environment	Elevation:0~5000m, Relative humidity:0~95%, Temperature:-20°C~55°C, Maximum wind speed:15m/s
Storage Environment	Relative humidity:0~95%, Temperature:-40°C~80°C (Except Battery), Temperature:-10°C~40°C (Battery)
Weight of the Equipment	1.51kg(without battery), 1.91kg(with battery)
Size	145D×143W×158H(mm)
Applicable Optical Fiber Cable Diameter	250μm, 900μm, 2~3mm
Applicable Sleeve Length	60mm, 45mm, 40mm(FP-03)
Heating temperature	180~250°C

Serial Number	Description	Diagrammatic Sketch	Quantity
1	ALK-A3 Optical Fiber Fusion Splicer		1
2	Power Adapter		1
3	AC Power Line		1
4	Backup Electrode Bar		1
5	Plastic tweezers		1
6	Multi-function jig		1
7	Cooling Tray		1

8	Carrying Bag		1
9	Miller Pincers		1
10	Cleaver		1
11	Stripper		1
12	Dust- Blowing Ball With brush		1
13	Instruction Manual		1

Host of Fusion Splicer

