



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

## ALK-A3 Optical Fiber Fusion Splicer

### 1. Technology Indexes

Table 1-1 Main technical indexes

<b>Applicable Optical Fiber Types</b>	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),
<b>Applicable Optical Fiber Core Number</b>	Single core
<b>Applicable Optical Fiber Diameter</b>	Cladding Diameter: 90-150 $\mu$ m,Coating diameter:125~1000 $\mu$ m
<b>Fusion splice Model</b>	Prestore:40 groups, User define: 80 groups
<b>A verage Fusion Splice Loss</b>	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
<b>Echo Loss</b>	better 60dB
<b>Fusion splice Duration Time</b>	7sec(typical parameter)
<b>Heating time</b>	Fusion-Protection Sleeves 15s Fast heating (customizable)
<b>Number of motors</b>	4/6 optional
<b>Password control</b>	Optional
<b>Operation method</b>	Simple to use, one-touch operation, automatic welding with cover
<b>Corrosion Resistance</b>	Equipment components, Parts and materials meet composite anti-corrosion requirements, Anti-fluid pollution
<b>Working aloft</b>	Require additional configuration platform
<b>Alignment</b>	Core alignment, Cladding alignment, Precise Alignment

# Tianjin Eloik Communication Equipment Technology Co., Ltd







<b>Loss Estimation of Fusion Splice</b>	Exist
<b>Optional Fixtures</b>	0.9, 250, 3.0 separately Holders
<b>LCD screen</b>	LCD screen is resistant to impact, scratches, and protective shell
<b>Splice Records</b>	Can detect the angle and verticality of the recording fiber and the angle between the fibers
<b>Night work lighting</b>	Double LED Whitelight
<b>Arc Calibration</b>	Automatic / Semi-automatic (optional)
<b>Splicing Picture</b>	No
<b>Applicable Optical Fiber Cable</b>	2mm,3mm,4mm,6mm
<b>Applicable Sleeve Length</b>	60mm, 45mm, 40mm(FP-03)
<b>Heating</b>	Below 200°C(customizable)
<b>Fiber Cleaver</b>	Standard cutting knife
<b>Body Color</b>	Red
<b>Power system protection program</b>	Lithium battery: Fire Protection; Explosion Protection High Temperature Protection,
<b>Password</b>	Authorized control usage time and welding times
<b>Tension Test</b>	2N or more ( optional)
<b>Monitor</b>	5-inch color LCD, Chinese, Traditional Chinese, Thai, English, German, Polish, Russian, Portuguese, Spanish, Vietnamese, Italian, French,12 radios
<b>Optical Fiber Magnification Times</b>	X/Y:115 times, X or Y:230 times
<b>Power Supply</b>	11.1V lithium battery, 13.5V/5A power adapter
<b>Battery</b>	Typical work more than 200 times (welding/heating), single charge 3H, can be recharged 500 times, 5200HA lithium battery
<b>Splice Results Storage</b>	10000 Records
<b>Data Interface</b>	USB2.0
<b>Operating Environment</b>	Elevation:0~5000m, Relative humidity:0~95%,Temperature:-20°C~55°C, Maximum wind speed:15m/s
<b>Storage Environment</b>	Relative humidity:0~95%, Temperature:-40°C~80°C (Except Battery), Temperature:-10°C~40°C (Battery)

# Tianjin Eloik Communication Equipment Technology Co., Ltd











<b>Weight of the Equipment</b>	1.51kg(without battery), 1.91kg(with battery)
<b>Size</b>	145D×143W×158H(mm)
<b>Applicable Optical Fiber Cable Diameter</b>	250μm, 900μm, 2~3mm
<b>Applicable Sleeve Length</b>	60mm, 45mm, 40mm(FP-03)
<b>Heating temperature</b>	180~250°C

## Standard Package


Serial Number	Description	Diagrammatic Sketch	Quantity
1	ALK-A3 Optical Fiber Fusion		1
2	Power Adapter		1
3	AC Power Line		1
4	Backup Electrode Bar		1

# Tianjin Eloik Communication Equipment Technology Co., Ltd



<p style="text-align: center;">5</p>	<p style="text-align: center;">Plastic tweezers</p>		<p style="text-align: center;">1</p>
<p style="text-align: center;">6</p>	<p style="text-align: center;">Multi-function jig</p>		<p style="text-align: center;">1</p>
<p style="text-align: center;">7</p>	<p style="text-align: center;">Cooling Tray</p>		<p style="text-align: center;">1</p>
<p style="text-align: center;">8</p>	<p style="text-align: center;">Carrying Bag</p>		<p style="text-align: center;">1</p>
<p style="text-align: center;">9</p>	<p style="text-align: center;">Miller Pincers</p>		<p style="text-align: center;">1</p>
<p style="text-align: center;">10</p>	<p style="text-align: center;">Clever</p>		<p style="text-align: center;">1</p>
<p style="text-align: center;">11</p>	<p style="text-align: center;">Stripper</p>		<p style="text-align: center;">1</p>
<p style="text-align: center;">12</p>	<p style="text-align: center;">Dust- Blowing Ball With brush</p>		<p style="text-align: center;">1</p>



13	Instruction Manual		1
----	--------------------	--	---





### Host of fusion splicer

