

# ALK-A8/A8+

## PRODUCT FEATURES

- ① Human-computer interaction mode.
- ② Optical power meter and red light function.
- ③ Bluetooth/Wi-Fi function.
- ④ Dual heating ovens.



5-inch TFT LCD Screen



Fully Automatic Fast Splicing



High Altitude Waterproof and Dustproof

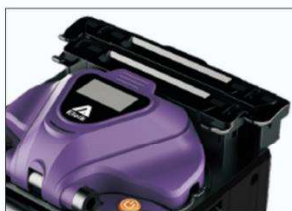
## GENERAL PARAMETERS



Secondary display screen



Anti-drop protection strip



Dual heating ovens

## SPECIFICATION

Model	ALK-A8	ALK-A8+
Weight	1.86kg (without battery), 2.23kg (with battery)	1.86kg (without battery), 2.26kg (with battery)
Motor Number	4 motors	6 motors
Fusion Splice Duration Time	7 seconds (typical parameter)/6 seconds (fast mode)	9 seconds (typical parameter)/7 seconds (fast mode)
Fusion Splice Loss	0.02dB (SM), 0.01dB (MM), 0.05dB (DS), 0.05dB (NZDS)	0.02dB (SM), 0.01dB (MM), 0.04dB (DS), 0.04dB (NZDS)
Battery	Typical work about 380 times (splicing/heating). 10000mAh lithium battery	
Electrode Life	≥5000 times	
Secondary Screen Function	1.3-inch OLED screen, serial interface	
Applicable Fiber Type	SM (Single Mode), MM (Multi Mode), DS (Dispersion Shifted), NZDS (Non Zero Dispersion Shifted), U1 (Bend Insensitive), BU (Ultra Bend Insensitive), EDF (Erbium Doped Fiber), (G654E only supported by 6 motors)	
Applicable Optical Fiber Core Number	Single core	
Fiber Identification	Can identify fiber	
Alignment	Core alignment, cladding alignment, fine alignment	
Applicable Fiber Diameter	Cladding diameter 80 - 150 μm. Coating layer diameter 100 - 1000 μm	
Fusion Mode	9 groups pre-stored, 891 groups user-defined	
Splicing Method	Arc fusion	
Fusion Function	Step-by-step fusion (semi-automatic and manual), automatic fusion	
Return Loss	Better than 60 dB	
Loss Estimation of Fusion Splice	Exit	
Tension Test	More than 2.25N	
Display	5-inch TFT LCD screen. Only Chinese operation interface is supported in China.	
Optical Fiber Magnification Times	Normal common display ≥220 times. Independent display ≥320times. Double-click maximum magnification ≥800 times.	
Power Supply	11.1V lithium battery, 13.5V/5A power adapter	
Result Storage	100,000 groups of fusion records storage, 10,000 image storage	
Data Interface	USB2.0	
Operating Environment	Altitude 0-5000m. Relative humidity 0-95% (no condensation). Temperature -20°C - 55°C. Maximum wind speed 15m/s.	
Storage Environment	Relative humidity 0-95% (no condensation). Temperature -40°C - 80°C. Temperature -10°C - 40°C (battery).	
Corrosion Resistance	Equipment components, parts and materials used meet anti-corrosion requirements and are not eroded by fluid pollution	
Dual Heating Ovens	Dual heating ovens mode. Main heating oven (standard). Secondary heating oven (optional).	
Applicable Fusion-Protection Sleeve Diameter	2mm, 3mm, 4mm, 6mm	
Applicable Fusion-Protection Sleeve Length	60mm, 50mm, 45mm, 40mm, 25mm (FP-03)	
Heating Time	2mm fusion-protection sleeve (adjustable from 10-15 seconds), 4mm fusion-protection sleeve (adjustable from 15-20 seconds), 6mm fusion-protection sleeve (adjustable from 15-20 seconds)	
Automatic Heating	Automatically recognize and heat the optical fiber after closing the cover	
Night Work Lighting	LED double white lights	
Optical Power Measurement Range	-70dB~+6dB.	
Optical Power Deviation	±5%	
Optical Power Standard Wavelength	850, 980, 1300, 1310, 1490, 1550, 1625nm	
Optical Power Display Resolution	0.10%	
VFL Power	5mW	
VFL Source Wavelength	650nm	
Video Can Be Placed Inside the Machine	Operation video, electronic instruction manual, etc.	
Dimension (L*W*H)	169D×148W×159H(mm)	

## STANDARD PACKAGE

Optical Fiber fusion splicer (with battery)	AC Power Cord	Carrying Case	Electronic Instruction Manual
High-precision Cleaver	Fiber Stripper	Dust Blowing Ball	Electrode
Alcohol Bottle	Cooling Tray	AC Adapter	Car Charger (optional)
Multifunctional Fiber Holder			