

ALK-T8/T8+

PRODUCT FEATURES

- ① Ultra-large data storage.
- ② Working status indicator light.
- ③ 7800mAh pluggable lithium battery.
- ④ Integrated optical fiber fusion splicer.



TFT LCD Screen



Fully automatic
Fast splicing



High altitude
Waterproof and dustproof

GENERAL PARAMETERS



Working Status Indicator Light



Anti-drop Protection Strip



Touchable Large Screen

SPECIFICATION

Model	ALK-T8	ALK-T8+
Weight	1.93 kg (without battery), 2.35 kg (with battery)	1.96 kg (without battery), 2.38 kg (with battery)
Splicing Time	7 seconds (typical parameter)/6 seconds (fast mode)	9seconds (typical parameter)/7seconds (fast mode)
Average splicing 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)
Motor Number	4 motors	6 motors
Size	L200*W144*H128mm	
Applicable Optical Fiber Types	SM (single mode), MM (multimode), DS (dispersion shifted), NZDS (non-zero dispersion shifted), U (unclear meaning), BUN (super-bend insensitive), EDF (erbium-doped fiber), IG64E (supported only by 6 motors)	
Applicable Fiber Core Number	Single core	
Optical Fiber Identification	Can identify optical fiber	
Alignment	Core alignment, cladding alignment, fine alignment	
Applicable Optical Fiber Diameter	Cladding diameter 80-150 μm, coating diameter 100-1000 μm	
Splicing Mode	Arc splicing	
Splicing Function	Step-by-step splicing (semi-automatic and manual), automatic splicing	
Return Loss	Better than 60 dB	
Tension Test	More than 2.25 N	
Display	5-inch TFT LCD screen. In China, only Chinese operation interface is supported.	
Optical Fiber Magnification Times	Normal common display ≥ 220 times, independent display ≥ 320times. Double-click to maximum magnification ≥ 800 times.	
Battery	Typical work about 300 times (splicing/heating), 7800mAh lithium battery	
Power Supply	11.1V lithium battery, 13.5V/5A power adapter	
Result Storage	100,000 sets of splicing records storage, 10,000 image storage	
Electrode Life	≥ 5000 times	
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.	
Applicable Sleeve Diameter	2mm, 3mm, 4mm, 6mm	
Applicable Sleeve Length	60mm, 50mm, 45mm, 40mm, 25mm (FP-03)	
Heating Time	2mm fiber-protection sleeve (adjustable from 10-15 seconds), 4mm fiber-protection sleeve (adjustable from 15-20 seconds), 6mm fiber-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, 1625m	
Optical Power Display Resolution	0.10%	
VFL Power	5mW	
VFL Source Wavelength	650nm	

STANDARD PACKAGE

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