

ALK-T1

PRODUCT FEATURES

- ① Portable optical fiber splicing equipment with convenient operation.
- ② Equipped a clear and delicate optical fiber imaging system.
- ③ Fast splicing speed and low splicing loss.



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TFT LCD Screen

Fully automatic
Fast splicing

High altitude
Waterproof and
dustproof



GENERAL PARAMETERS



Anti-drop protection strip



V-groove heat design oven



Color LCD screen

STANDARD PACKAGE

Optical Fiber Fusion Splicer (with battery)	AC Power Cord	Drop Cable Stripper	High-precision Cleaver
Electronic Manual	Fiber Holder	Carrying Case	Cooling Tray
Alcohol Bottle	AC Adapter	Three-hole Miller stripper	Cleaning and Maintenance Tools

SPECIFICATION

Applicable Optical Fiber Type	SM (Single Mode), MM (Multi Mode), DS (Dispersion Shifted), NZDS (Non-Zero Dispersion Shifted), U1 (Bend Insensitive), BLU (Ultra Bend Insensitive), EDF (Erbium-Doped Fiber)
Applicable Optical Fiber Core Number	Single core
Motor Number	4 motors
Alignment	Core alignment, cladding alignment, fine alignment.
Applicable Optical Fiber Diameter	Cladding diameter: 125 - 150 μm. Coating layer diameter: 250 - 1000 μm
Splicing Mode	8 groups pre-stored, 792 groups user-defined.
Connection method	Arc fusion
Splicing Function	Step-by-step fusion (semi-automatic and manual), automatic fusion
Startup Time	3 seconds
Average Splicing Loss	0.02 dB (SM), 0.01 dB (MM), 0.04 dB (DS), 0.04 dB (NZDS)
Return Loss	Better than 60 dB
Splicing Time	10 seconds (typical parameter) / 8 seconds (fast mode)
Loss Estimation of Fusion Splice	Exist
Tension Test	More than 2N
Display	4-inch TFT LCD screen. Only Chinese operation interface is supported in China
Human-Computer Interaction Mode	Button
Optical Fiber Magnification times	X/Y: 120 times, X or Y: 240 times
Power Supply	11.1V lithium battery, 13.5V/5A power adapter
Battery	Typical work 150 times (welding/heating). Single charge takes 2.5 hours. Can be recharged 500 times. 3500mAh.
Power saving function	Supports power saving mode for energy efficiency
Lithium battery charging	Can be charged independently with a 13.5V/5A power adapter
Storage of splicing results	10,000 groups of fusion records storage
Electrode Life	≥ 5000 times
Data Interface	USB2.0
Operating Environment	Altitude 0 ~ 5000m. Relative humidity 0 ~ 95% (no condensation). Operating 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 (with battery)
Weight	1.10KG (without battery), 1.29KG (with battery)
Size	210D X133W X105H (mm)
Applicable Sleeve Diameter	2mm, 3mm, 4mm, 6mm
Applicable 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). 5mm fusion-protection sleeve (adjustable from 15 - 20 seconds)
Heating Temperature	10 - 230°C (customizable)
Automatic Heating	Automatically recognize and heat the optical fiber after closing the cover
Night Work Lighting	LED lighting
Removable Battery	Removable and replaceable
Battery Safety Protection	Overcharge and over-discharge protection
Reverse Power Supply	Output DCSV/2A. Can charge mobile phones and provide power for external LED lights and other 5V devices
Working Status Indicator Light	Convenient for clearly understanding the current status of the equipment at a glance when working in complex conditions
Key Backlight	Convenient for better operating the equipment when operating at night
Beep Function	By setting different audios, it can prompt the user whether the fusion is successful or failed after fusion is completed
Fusion splicer permission management function	Optional
Work Platform	Optional
Fused End Polishing Function	Optional
Network Positioning Function	4G module (optional)
Capacitive Touch Screen	Optional
Optical Power Module (optional)	
Power Measurement Range	-70 ~ +6dBm
Plug Type	InGaAs
Deviation	±5%
Standard Wavelength	850/1300/1310/1490/1550/1625
Display Resolution	0.05dB
Red Light Source Module (optional)	
Red Light Power	10mW
Wavelength	650nm ± 10nm
Working Frequency	CW/2Hz