Fusion Splicer Eloik

Variants

ALK-88A 88A+

Details

ELOIK Fusion Splicer – Full Detailed Description

The **Eloik Fusion Splicer** is a high-performance optical fiber fusion splicing machine designed for fast, precise, and reliable fiber jointing in **FTTH, FTTB, backbone, LAN, and data communication networks**. Known for its durability, portability, and user-friendly interface, the Eloik fusion splicer is widely used by telecom technicians, ISPs, fiber contractors, and network installers.

1. Key Features

? Core-to-Core Alignment Technology

Uses advanced **PAS (Profile Alignment System)** or **core alignment system**.

Achieves highly accurate fiber positioning for **minimum splice loss**.

Suitable for SM, MM, DS, and NZDS fibers.

? High-Precision V-Groove & Auto Fiber Detection

Ensures proper placement of fibers.

Automatically detects fiber type and adjusts settings.

? Fast Splicing & Heating

Typical splice time: **6–9 seconds**

Heating time: **15–30 seconds**

Designed for high-volume field work where time efficiency is critical.

? Durable, Rugged & Weather-Resistant

Strong **industrial-grade body**.

Shock-resistant, dust-resistant, and suitable for outdoor field conditions.

Reinforced rubber corners to protect against accidental drops.

? High-Resolution Display

4.3–5 inch **LCD color screen** with simultaneous X/Y view.

Real-time fiber alignment preview.

Intuitive menu system for easy operation.

? Large Battery Capacity

Rechargeable Li-ion battery (typically **4200–7800 mAh**).

Supports **150–220 splice + heat cycles** per full charge.

Ideal for field engineering where power sources are limited.

? Automatic Operation Functions

Auto start splicing when the lid closes.

Auto heat shrink activation.

Auto arc calibration based on temperature, altitude, and humidity.

? Data Storage & USB Connectivity

Stores **10,000+ splice records**.

USB port for data backup, software upgrade, and maintenance.

2. Technical Specifications (General Eloik Model)

Parameter	Description
Splicing Method	Core alignment / PAS technology
Applicable Fibers	SM, MM, DS, NZDS
Splice Loss	0.02 dB (SM), 0.01 dB (MM), 0.04 dB (DS/NZDS)
Splice Time	6–9 seconds
Heating Time	15–30 seconds (programmable)
Fiber Diameter	Cladding: 80–150 ?m
Typical Battery Capacity	150–220 cycles per charge
Magnification	Up to 300× (X/Y dual direction)
Display	4.3–5" TFT LCD
Operating Conditions	–10°C to 50°C, humidity ? 95%

Parameter	Description
Protection	Shockproof, Dustproof, Weather-resistant
Data Storage	10,000+ splice results
Weight	2–3 kg (machine only)