

# Optical Fiber Fusion Splicer

**Signal Fire Authorized Sales and Service**

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# Optical Fiber Fusion Splicer

## AI-8C

**Six motors 、 Core alignment**

**6 seconds fast splicing**

**15 seconds fast heating**

**Anti-theft lock、 Remote control**

**Applicable Fibers:** SM(G.652&G.657)、 MM (G.651) 、 DS(G.657)、 NZDS (G.655)

**Splice Loss:** 0.025dB (SM) 、 0.01dB (MM) 0.04dB (DS/NZDS)

**Focus mode:** 6 motors Auto focus

**Fiber alignment:** Core/cladding alignment Manual alignment

**Typical splicing time:** 5S (AI-9) / 6S (AI-8C) / 6S (AI-7V) / 8S (AI-7C)

**Typical heating time:** 15S (AI-9) / 15 S (AI-8C) / 15 S (AI-7V) / 18 S (AI-7C) Fast heating function, heating time can be set , Automatic heating (Preheating),heating programs(max.10)

**Control technology:** Real-time control and calibration of fusion ARC

**Return loss:** Better than 60DB

**Fiber diameter:** Cladding Diameter 80-150 $\mu$ m, Coating Diameter 100-1000 $\mu$ m

**Fiber Cleave Length:** Coating less than 250 $\mu$ m : 5-16mm Coating less m250-1000 $\mu$ m:16mm

**Shrinkable tube:** 60mm、 50mm、 40mm、 25mm

**Boot time:** 1 second



# Optical Fiber Fusion Splicer

## AI-9

**Six motors 、 Core alignment**  
**6 seconds fast splicing**  
**15 seconds fast heating**  
**Anti-theft lock、 Remote control**

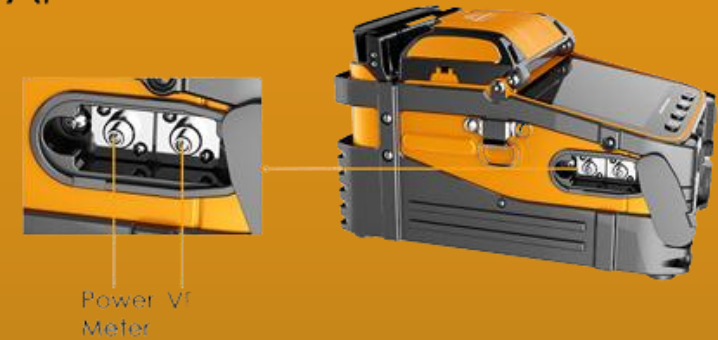
**Tension Test:** Standard 2N  
**Fiber holders:** 3 in 1 fiber holder, SM, MM, bare fiber, pigtail, rubber-insulated, multi fiber cable  
**Magnification:** 300 for X or Y , 150 for XY view  
**Screen:** 5 inch TFT color display  
Software update length: Automatically update, Update by a key  
**Splicing Mode:** Normal / high precision splicing(splicing programs max 100)  
**Splicing method:** Fully automatic,step by step splicing  
**Splicing record storage:** Synchronize to the phone, the server to cloud storage unlimited  
**Built-in battery:** 7800 mAh high-capacity lithium battery, charging time ≤3.5 hours, continuous splicing and heating about 240 times  
**Power supply:** Input AC100-240V 50 / 60HZ, output DC13.5V / 4.8A, the current power mode can be identified, real-time detection of battery power  
**Operating Conditions:**Temperature -15 ~ +50 °C, humidity: <95% RH (no condensation),Working altitude: 0 ~ 5000m. Resist max. wind speed: ≤ 15m / s  
**Product protection:** Waterproof IP 22,dust proof IP54,shock-resistant  
**Language setting:** 10 languages to switch freely

## AI-9

### BUILT-IN POWER METER AI

Effectively measure connection loss, verify continuity, and help assess fiber link transmission quality.

- VFL: Always on / flashing / off
- Power Meter: 850nm / 1310nm/1490nm/1550n / 1625nm Six states



# AI-7C

## AI-7C

Six motors 、 Core  
alignment  
8 seconds fast  
splicing  
18seconds fast  
heating



# AI-7C

## AI-7C

Six motors 、 Core  
alignment  
8 seconds fast  
splicing  
18seconds fast  
heating



# ZS1000-A OTDR

## ZS1000-A

The ZS1000-A Multifunctional Optical Time Domain Reflectometer can be automatically tested with one button. It is easy to operate. The handheld design is more compact, easy to carry and can be measured. Short blind zone (15rn), high-speed signal processing, short test time and quick analysis. It can store 10,000 waveforms, and the LCD screen has a higher contrast color. The quality of the waveform can be improved, the USB terminal shape is more, and the IF D LCD screen has a higher contrast color. The quality of the waveform can be improved, and the USB port can be connected to a computer. With input laser signal automatic detection and self-protection function, built-in red light source, humanized OTDR anti-reality software shows the details of the event.

Dynamic Range	28dB/26dB (100 km)
Wave length	1310±20nm/1550±20nm
Event Dead Zone	<1.5m
Attenuation Dead Zone	<0.8m
Pulse Width	10ns,25ns,50ns,100ns,250ns,500ns,1us,2.5ns,5us
Distance uncertainty	± (1.0m ±0.005% * testing distance ± resolution)
Linearity	±.05dB/dB
Loss Resolution	0.001dB
Distance Resolution	1m
Connector	FC (Standard) SC LC (Optional)
VFL	1mW
Data Storage	>20000 traces (standard 4GB SD card)
Display	3.5 inch TFT color LCD
Interface	USB
Battery	Built-in rechargeable battery
Working Time	> 10 hours (according Bellcore TR-NWT-001138)

