



AI-5

OPTICAL FIBER FUSION SPLICER

Suitable for security monitoring special construction

INTELLIGENT MANUFACTURING

An effective balance between quality and cost-effectiveness



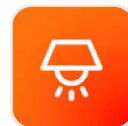
8S SPLICING



18S HEATING



**5200mAh LITHIUM
BATTERY**



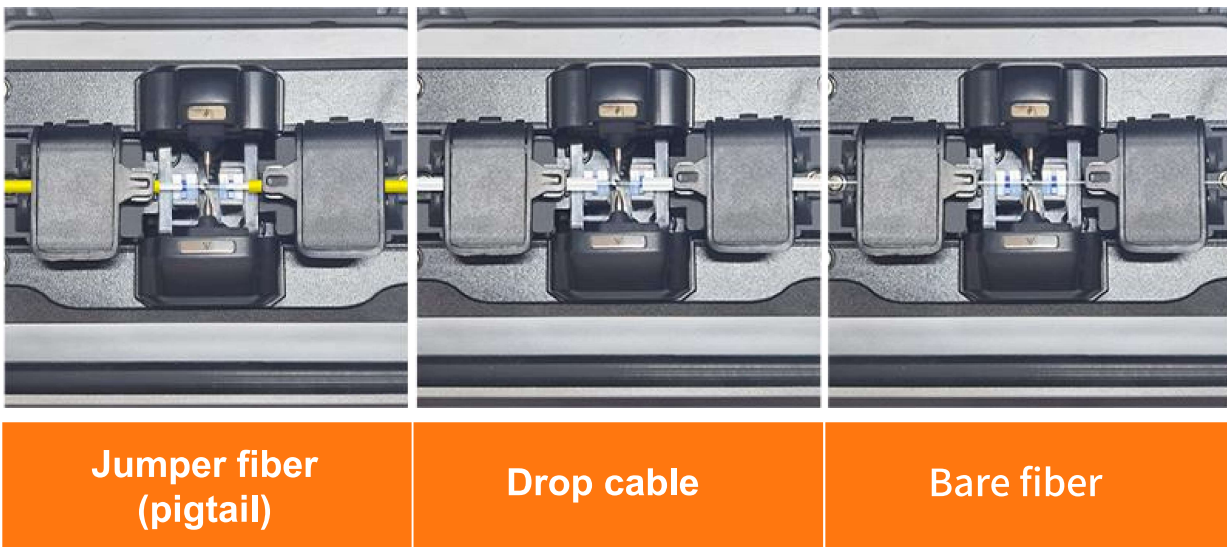
**Comes with
LED lighting**

AI-5 is mainly suitable for security monitoring and other engineering projects. Adopting a 5-inch color screen, the operation graphics are simple and intuitive; Up to 320x focusing magnification, 8 second high-speed splicing, 18 second heating, with a 50% increase in work efficiency compared to ordinary fusion machines; The 5200mAh lithium battery can fuse and heat about 160 cells when fully charged. Its unique lighting design makes it convenient for night construction or emergency repairs.



3 in 1 fiber holder

SM, MM, bare fiber, pigtail, Drop cable, multi fiber cable



5200mAh lithium battery

Charging time ≤ 3.0 hours;

In full state, 160 cores can be continuously fused and heated

Charging channel

The battery can be removed and charged separately



Press to popup the battery

Charging mouth

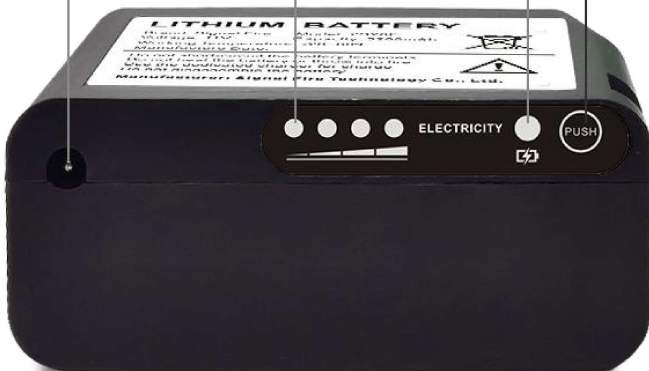
Input voltage :13.5 $\pm$ 0.5V
Input current :4.8A

Power
indicator
light

Charge indicator light

Indicator light turns off when
fully charged

Press to check
the power level



Dust prevention fall prevention shock prevention



Thickened buffer structure

Don't be afraid to knock! Touch! Fall!

Lighting for splicer

Convenient for night operation



Basic parameter

Fiber alignment	Core/cladding
Motor number	Four motors
Splicing time	8s
Heating mode	18s, can be customized according to the external environment
Fiber type	Single-mode fiber (SMF/G.652), BIF/G.657); Suitable for single mode, multi-mode, bare fiber, tail fiber, drop cable, jumper, invisible fiber fusion;
The cladding diameter	80-150 μm
Splicing loss	0.02dB (SM) 、 0.01dB (MM) 0.04dB (DS/NZDS)
Splicing mode	Automatic focusing core alignment, conventional/high precision welding
Splicing way	Automatic, semi-automatic
Fiber holder	Three in one fixture, no need to change, suitable for single/multi-mode, multi-core cable/bare fiber, tail fiber, jumper fiber,drop cable
Battery capacity	5200mAh large capacity lithium battery charging time ≤3.5; It can continuously weld and heat about 160 cores
Magnification	320x (X or Y axis single display) , 160x (x and Y axis dual display)
Fiber diameter	Coating diameter: 80-150μm/Coating diameter: 100-1000μm
Cutting length	Coating layer 250μm below: 8-16mm/coating layer 250-1000μm: 16mm
Heat shrink tube	60mm、 50mm、 40mm、 25mm
Tensile testing	standard 2N
display	5 inch TFT color display screen
Charge mobile device	The USB port can charge mobile devices such as mobile phones
Boot time	1s, boot can enter the working mode
Data is stored	Unlimited, machine storage 1000 groups, the excess part can be stored in the server, can export data.
Wireless communication	Based on bluetooth 4.2 protocol standard, the working band is 2.4GHz, the maximum transmission range is 60m
Software upgrade	Mobile phone APP Internet update, enable Bluetooth synchronization upgrade machine software
Management function	The equipment owner can be bound as the highest authority, and can remotely view the welding records, welding time, loss, etc. through the mobile phone APP. The number of welding times or working time of the equipment can be set. The manager can effectively manage a single or multiple equipment.
interface	USB2.0 (Type A) can be used to connect external LED lights and charge mobile devices
Return loss	Better than 60 db
Product protection	Waterproof, dustproof and fall proof
Power supply	Input AC100-240V 50/60Hz, output DC13.5V/4.8A, the current power mode can be identified, real-time monitoring of the current battery level
The work environment	Temperature: -15 ~ +50℃, humidity: < 95%RH (no condensation), working altitude: 0 ~ 5000m, maximum wind speed: ≤15m/s

RANDOM CONFIGURATION



- ① Toolkit ② Main engine ③ S07 Fiber Cleaver ④ Alcohol
Bottle ⑤ Wire stripping pliers ⑥ Miller stripper ⑦ Belt
⑧ Toolbox strap ⑨ Power Adapter ⑩ Fiber for ARC
calibration/User's manual/Quality Certificate/Warranty Card

Size and wight



Machine weight

2.05kg (with battery)

1.68kg (without battery)

Toolkit weight

3.50kg (including machine and accessories)



Total weight

4.05kg

SERVICE COMMITMENT

Three years warranty, but these circumstances are not within the scope of this provision.

01.Except for the cleaver, miller clamp, stripping pliers, fiber holders and other tools whose life depends on the frequency of use and the use of the environment. Also electrodes are consumption material which are not in the warranty.

02.Battery and power adapter are warranty for one year, it is in free warranty where it is damaged or can not be charged in one year.



Signal Fire Technology Co., Ltd. is a professional engaged in optical communication equipment research and development, manufacturing, sales of high-tech enterprises, specialized new enterprises, Chengdu new economy cultivation enterprises, registered capital of 10 million. The main products are: optical fiber fusion splicer, electric optical fiber cleaver, OTDR (optical time domain reflectometer), Signal fire stripper, etc., widely used in telecom, mobile, Unicom, radio and television operators, posts and telecommunications, railways, engineering companies and institutions of cable line construction, line maintenance, emergency repair, security monitoring and research institutes research, teaching and so on.

The factory is located in Chengdu High tech International Enterprise Port, with a modern production factory and standardized office buildings. We have passed the ISO9001 international quality management system certification, and our products have passed the EU CE, ROHS. International certifications such as FCC in the United States and UKCA in the United Kingdom have been passed by the National Institute of Quality Supervision and Inspection, China Academy of Information and Communications Technology.



The qualified testing of Taier Laboratory has obtained nearly a hundred domestic and international patents at the same time. The "Signal Fire" series products have been sold to over 100 countries and regions including North America, South America, Europe, Africa, and Asia, and have received unanimous praise from customers.



Operator winning bid brand



Telecom installation and maintenance skills competition, Signal fire fusion splicer excellent performance, won the group first prize



Exhibition photos



INTELLECTUAL PROPERTY

Signal Fire Technology Co., Ltd. has passed the ISO9001 international quality management system certification. The product has passed international certifications such as the CE, RoHS, the United States FCC, and UKCA in the United Kingdom, and passed the qualified test through National Quality Supervision Institute, China Xintong Institute, and Tel Laboratory. At the same time, we obtained nearly 100 patents.

CERTIFICATE

Anbotek
Product Safety

CERTIFICATE
Of Conformity
Directive 2014/53/EU
On The Radio Equipment Directive

Certificate No.: AT18220WC202819
Certificate Holder: SIGNAL FIRE TECHNOLOGY CO., LTD.
Address: Building 18, Chengdu Hi-Tech International Enterprise Park, Liando U Valley, 1111 Changsheng Bridge, Pidu District, Chengdu, China
Manufacturer: SIGNAL FIRE TECHNOLOGY CO., LTD.
Address: Building 18, Chengdu Hi-Tech International Enterprise Park, Liando U Valley, 1111 Changsheng Bridge, Pidu District, Chengdu, China
Product Name: OPTICAL FIBER FUSION SPLICER
Model No.: AI-9, AI-6C, AI-6V, AI-7C, AI-8C, AI-8X, AI-7V, AI-X, S9
Trade Mark: Signal fire
Rating: Input: 13.5V/4.8A DC (with DC 11V, 7800mAh Battery inside)

The radio equipment meets the following essential requirements	Complied
Article 3(1)(a) EN IEC 62368-1:2020+A11:2020	Yes
Article 3(1)(a) EN 50663:2017, EN 62479:2010	Yes
Article 3(1)(b) ETSI EN 301 488-1 V2.2.2 (2019-11)	Yes
Article 3(1)(b) ETSI EN 301 488-1 V3.2.4 (2020-09)	Yes
Article 3(2) ETSI EN 300 328 V2.2.2 (2019-07)	Yes

Note: The attached Annex forms part of this certificate which consists of 2 pages.

Certified by

Kingkong Jin

Jan. 03, 2023
Date

CE The CE Marking may only be used if all relevant and effective EU Directives are complied with **CE**

Shenzhen Anbotek Compliance Laboratory Limited
1/F, Building D, Sogood Science and Technology Park, Sarnwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China 518128
Tel: (86)755-26066440 Fax: (86)755-26014772
Http://www.anbotek.com Email: service@anbotek.com

CERTIFICATE

Anbotek
Product Safety

CERTIFICATE
Of Conformity
Radio Equipment Regulations 2017
(SI 2017 No. 1206)

Certificate No.: AT18220WC202820
Certificate Holder: SIGNAL FIRE TECHNOLOGY CO., LTD.
Address: Building 18, Chengdu Hi-Tech International Enterprise Park, Liando U Valley, 1111 Changsheng Bridge, Pidu District, Chengdu, China
Manufacturer: SIGNAL FIRE TECHNOLOGY CO., LTD.
Address: Building 18, Chengdu Hi-Tech International Enterprise Park, Liando U Valley, 1111 Changsheng Bridge, Pidu District, Chengdu, China
Product Name: OPTICAL FIBER FUSION SPLICER
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CHAPTER (General)(TAK) BS EN 50663:2017, BS EN 62479:2010	Yes
CHAPTER (General)(TAK) ETSI EN 301 488-1 V2.2.2 (2019-11)	Yes
CHAPTER (General)(TAK) ETSI EN 301 488-1 V3.2.4 (2020-09)	Yes
CHAPTER (General)(TAK) ETSI EN 300 328 V2.2.2 (2019-07)	Yes

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Kingkong Jin

Jan. 03, 2023
Date

UK CA The UKCA Marking may only be used if all relevant and effective UK Regulations are complied with **UK CA**

Shenzhen Anbotek Compliance Laboratory Limited
1/F, Building D, Sogood Science and Technology Park, Sarnwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China 518128
Tel: (86)755-26066440 Fax: (86)755-26014772
Http://www.anbotek.com Email: service@anbotek.com

TCB GRANT OF EQUIPMENT AUTHORIZATION **TCB**

Certification
Issued Under the Authority of the
Federal Communications Commission
By:
Bay Area Compliance Laboratory Corp.
1274 Antwood Avenue
Tunnyvale, CA 94588
Date of Grant: 02/09/2018
Application Dated: 02/09/2018

Signal Fire Technology Co., Ltd.
No.18-8 Qingyang Zone, Jiansheng Industrial Park
Qingyang District, Chengdu, China
Chengdu, China
Attention: Jiaao Yang

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is valid ONLY for the equipment identified herein for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: EAB9XAJ799
Name of GranTEE: Signal Fire Technology Co., Ltd.
Equipment Class: Digital Transmission System
Notes: OPTICAL FIBER FUSION SPLICER

FCC Rule Parts	Frequency Range (MHz)	Output Power (W)	Frequency Tolerance	Emission Designator
15C	2400.0 - 2483.5	0.0004		

Grant Notes: Output power tested is conducted.

EACC

Certificate

Certificate No.: 11420Q43272R1M

This is to certify that the Quality Management System of
SIGNAL FIRE TECHNOLOGY CO., LTD.
Unified Social Credit Code: 91510100072411028D
Registered Address: No. 1111 Changsheng Bridge, Hongguang Town, Small and Micro Enterprise Innovation Park, North Area of Chengdu Modern Industrial Port, Pidu District, Chengdu
Production Office Address: No. 2, Building 18, Chengdu High-tech International Enterprise Park, Liando U Valley, No. 1111 Changsheng Bridge Road, Pidu District, Chengdu City, Sichuan Province, China
Has been audited to conform to the following Quality Management System standard
GB/T19001-2016/ISO9001:2015
The Applicable Scope
The production of optical fiber fusion splicer

Date of initial issue: Aug. 22, 2017
Date of issuance: Jul. 31, 2020
Date of renewal: Jul. 31, 2023
Date of expiry: Jul. 31, 2025

Issued by:
Beijing East Allreach Certification Center Co., Ltd.

中国认证
国家认可
管理体系
认证证书
MANAGEMENT SYSTEM
CERTIFICATION

The certificate will remain valid only if the certified organization accepts continuous audit and regular internal and external audits. The information of this certificate is available at EACC website www.eacc.com.cn and CNAS website www.cnas.com.cn and IAF website www.iaf.com.cn. EACC Address: 10 Floor, No. 123 Building, No. 17, Jingyuan Street, Jingyuan Science & Technology Industrial Base, Jingyuan Park of Jingyuan Science & Technology Zone, Jingyuan District, Beijing 101102.

INTELLECTUAL PROPERTY



TMZC12953869D01T150210



第 12953869 号

商标注册证



注册人 四川约识科技股份有限公司

注册人地址 四川省成都市青羊区蛟龙工业港青羊园区B-6号

注册日期 2015年01月14日 有效期至 2025年01月13日

局长 许瑞表 发证机关 



EUROPEAN UNION INTELLECTUAL PROPERTY OFFICE
AMT DER EUROPÄISCHEN UNION FÜR GEISTIGES EIGENTUM

21	015014933-0001
25	EN - DE
22	17/03/2023
15	17/03/2023
45	21/03/2023
11	015014933-0001
72	LUO, Chunhui
73	SIGNAL FIRE TECHNOLOGY CO., LTD. No.1111 Chengsheng Bridge Hongguang Town Small and micro Enterprise Innovation Park Pidu Distric Chengdu, Sichuan 610000 REPUBLICA POPULAR DE CHINA
74	LennerRatble Patent- u. Rechtsanwalts PartGmbB Lessingstr. 6 D-80336 München ALEMANIA
51	08 - 05
54	08 - 05 08 - Kneuzi za zavichstanie u oronawie na kačenu 08 - Pelacables 08 - Nástroje na odizolování drátu 08 - Afsoleringsstænger 08 - Isolierzangen 08 - Tangid juhtme pealiskih eemaldamiseks 08 - Аппараты для снятия изоляции с кабелей 08 - Wire strippers 08 - Pincas à dénuder 08 - Pinze spatello 08 - Knables vadu galu firisani 08 - Laido izoliācijas nuemiklasi 08 - Kijestæ za skidanje izolacije 08 - Kâbelcupszîtók 08 - Tnaji i jgaxxu l-wajers 08 - Draadstrippers 08 - Narzêdzia do usuwania izolacji z drutu 08 - Alicates de descamar fios 08 - Clepi pentru dezizolarea cablurilor 08 - Odizolovacie kleste 08 - Kleste za snemanje izolirnega traku iz zice 08 - Kuorintaphdit 08 - Skallånger

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