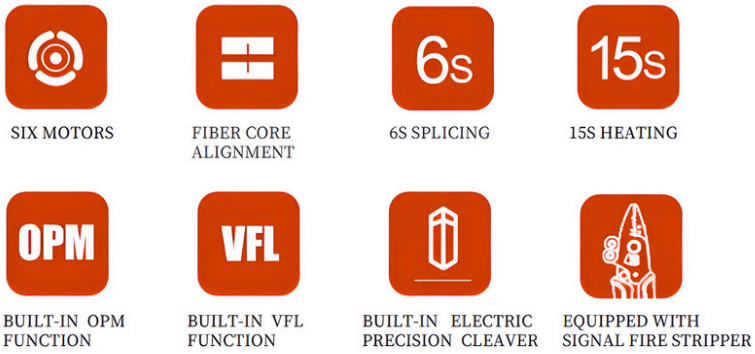
OPTICAL FIBER FUSION SPLICER SIGNAL FIRE AI-10

Overview:

Signal fire fusion splicer AI-10 is the world's first fourth-generationopticalfiberfusion splicer, it combines electric cleaver and fusion splicer as one, with8-in-1signal fire stripper, and can be combined with the work benchandtable, makingit the world's first real sense, small size, light weight, easy tooperateopticalfiberfusion splicer.

Signal fire AI-10A optical fiber fusion splicer uses a number of patents, the full weightofthemain machine, the toolbox and a complete set of accessories is only 4.5KG, andthetoolboxsize is 25.5cmx16.5cm x23cm. In such a small and compact case, the combineddesignofbench and bench is realized at the same time. Industrial CPU, running speedis superfast,6seconds fast splicing, 15 seconds heating, 5 inch color HD LCD screen, 320 timesmagnification,7800mAh large capacity lithium battery can splice and heat 240 cores, in highaltitude, dry,cold and other harsh environments still perform well





Specifications

1. Characteristics

Fiber alignment	Core/cladding
Motor number	6 motors
Splicing time	6s
Heating mode	15s， 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 splicing
Splicing way	Automatic, semi-automatic
Fiber cleaver	Equipped with electric high-precision cleaver
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
VFL	The machine comes with: power: 15mW, 2Hz flashing and steady on mode
OPM	Wavelength: 850nm; 1300nm, 1310nm, 1490nm, 1550nm, 1625nm/Measurement range: -50+30dbm Absolute error: <0.3dB (-50dbm ~+3dBm range)
Battery capacity	7800mAh large capacity lithium battery charging time ≤3.5; It can continuously weld and heat about 240 cores
Magnification	320x (X or Y axis single display)， 200x (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
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 splicing records, splicing time, loss, etc. through the mobile phone APP. The number of splicing times or working time of the equipment can be set. The manager can effectively manage a single or multiple equipment.
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





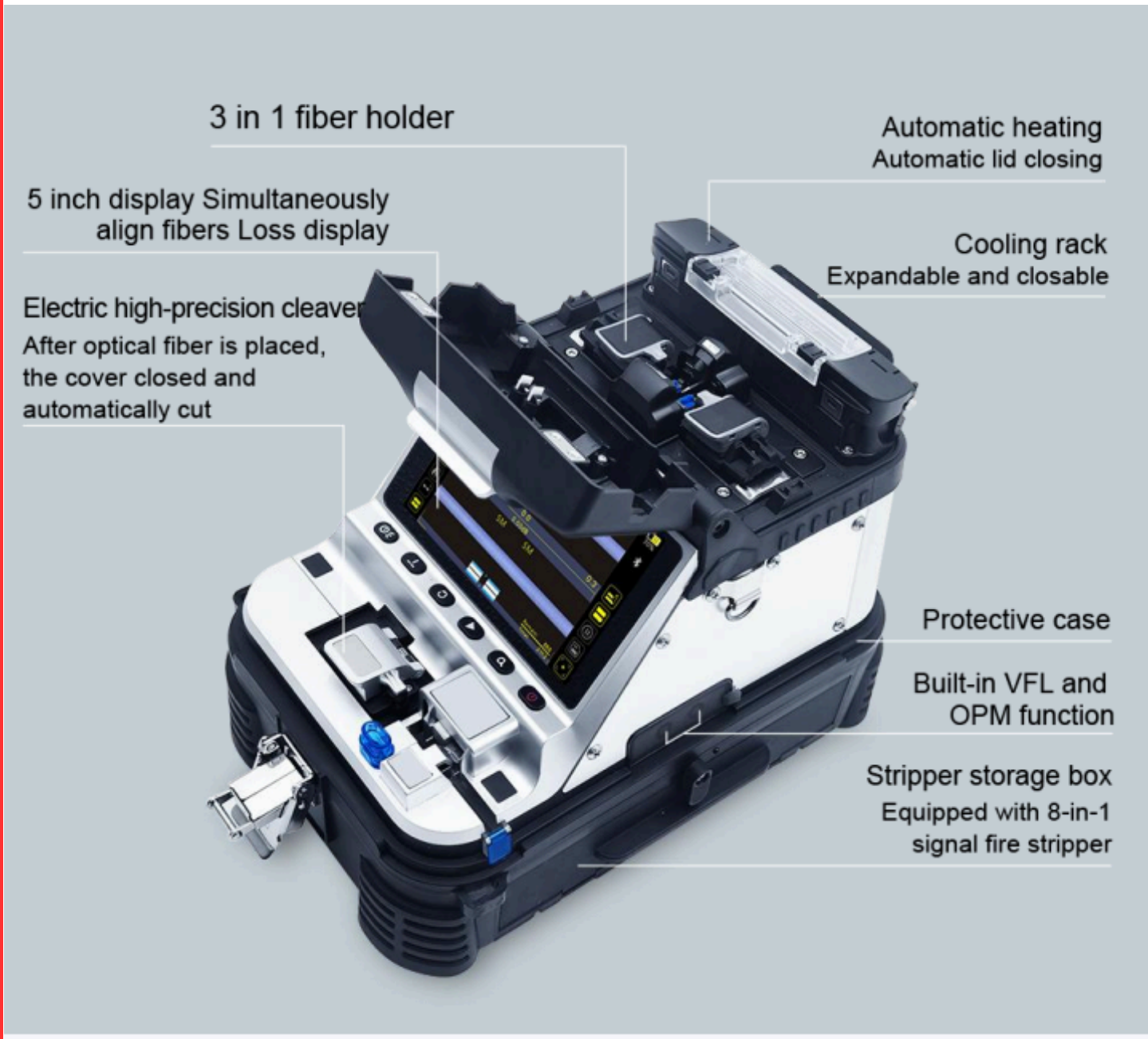
Toolbox size

255mmx 165mm x 230mm

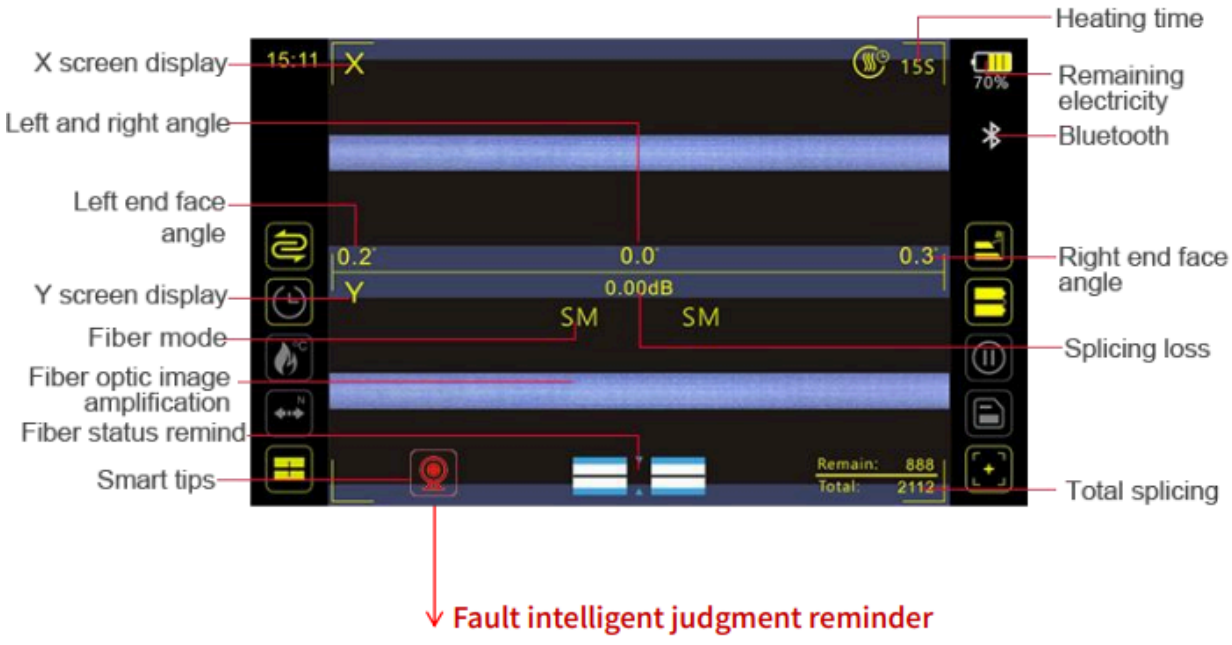
Weight of toolbox (complete set)

4.50kg

Specifications



2. Display



ACCESSORIES IN THE TOOL BOX



❶ Toolcase ❷ Fusion splicer ❸ Spare electrode ❹ signal fire stripper (Including a bag of cleaning cotton)

❺ Alcohol bottle ❻ Cleaver cleaning cotton swab ❼ Allen wrench ❽ Brush

❾ Climbing combination hanging chain ❿ Toolbox strap ⓫ Belt ⓬ Power adapter

⓭ User' s manual / Quality Certificate / Warranty Card / Fiber for ARC