AbsySplicer-AV6472 High Performance Optical Fiber Fusion Splicer

Overview：

AbsySplicer-AV6472 is a high performance optical fiber splicing device with new design and high capacity. With powerful functions and super low splicing loss, it is highly competent for the application of optical fiber splicing. The function of auto-focusing not only ensures that the fiber cores inside all types of fibers are visible, but also realizes the accurate alignment of fiber cores. It can automatically recognize the type of fiber, and select the optimal parameters based on the type. So it is the splicer that truly realizes automatic functionality. Its GUI graphical design provides a user friendly interface panel, and makes it more obvious and easier to use. The built-in large capacity Li-ion battery can support long-time field work. The real-time compensation system enhances the device against unfavorable environment changes, which guarantees its consistency of low loss splicing in various conditions.
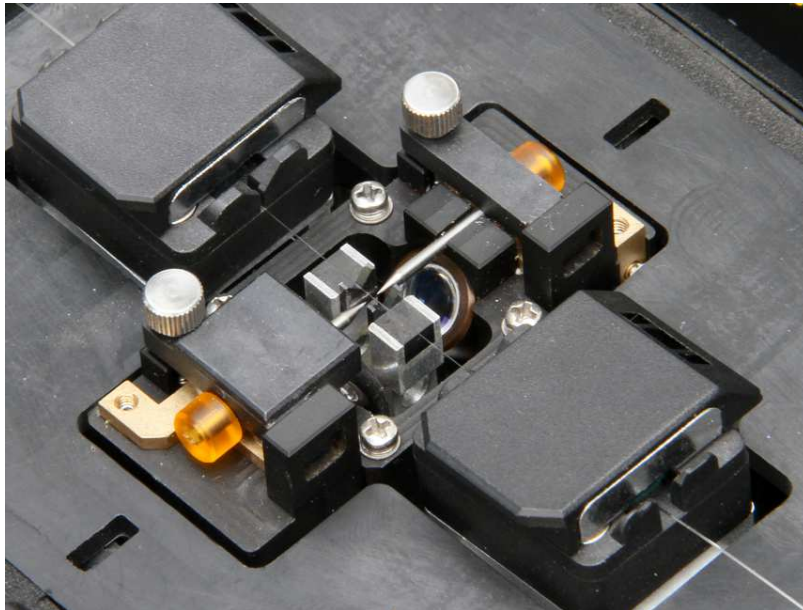
Features:

- 6 motors driven, auto-focusing realizes the accurate alignment of fiber cores
- Automatically recognize the type of fibers, and select the optimal parameters based on the type
- Touch screen GUI user interface
- Take only 8 seconds for splicing,25 seconds for pyrocondensation

- Intelligent heating function prevents faulty operation. Only when pyrocondensation tube is put into the heater, auto heating start to work.
- Air cooling application provides fast cooling down of pyrocondensation tube
- Real-time discharging, no need further adjustment
- Built-in high capacity battery, which enables up to 260 times of splicing and heating
- Ceramic type V-shape groove with high precision, assists users to clamp the optical fiber and clearance more easily.
- With environmental compensation function, splicing parameters can be automatically adjusted under different operation environments.
- Multi-functional USB interface for data storage, software upgrading, and mobile phone charging
- Directly use vehicle power supply to provide power and battery charging for fusion splicer

Highlights：

Brand new GUI graphic interface and touch screen design

High precision ceramic V slotting simplifies the putting of fibers and cleaning.

Carrying case can be used as work bench.

Car lighter socket can be utilized for fusion splicing.

Specifications:

Main Technical Parameters	
Fiber Alignment	Advanced PAS alignment method.
Applicable Fiber	ITU-TG.651~657
Typical Splicing Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
Return Loss	>60dB
Operation Mode	Auto, Quick, Manual
Fiber Diameter	cladding diameter: 80～150μm; coating diameter: 100～1000μm
Cleaved Length	8～16mm（coating diameter＜250μm）; 16mm（coating diameter 250～1000μm）
Magnification	360/180 times
Image Display	5.7″ LCD with clear and exquisite image display
User interface	GUI graphical interface
Tension Test	Standard 1.96N（optional）
Pyrocondensation Tube	60mm, 40mm and a series of Pyrocondensation Tubes
Battery Capacity	Typical splice: 220 times, charging for 3.5 hour (available for use when charged).

Battery Lifetime	Cycle life up to 300～500 times, replaceable.
Electrode Lifetime	Typical 5000 times，replaceable.
Lighting for Construction	Built-in super high-brightness LED convenient for night work
Ports	USB, VGA
Power Supply	Built in 11.1V Li-ion Battery；DC input：11~15V，can utilize power source from the car（select the proper cord）
Operation Temperature	-10 ～+50℃
Storage Temperature	-20 ～+60℃
Altitude	0～5000m
Wind Resistance	15m/s
Humidity	95%RH (40 ，no condensing)
Size	L×W×H＝160×150×130(mm)
Weight	2.4kg (without battery)，2.8kg (with battery)

Ordering Information：

Standard Configuration:

S/N	Description	Qty.
1	AbsySplicer-AV6472 optical fiber fusion splicer	1
2	AC power adapter	1
3	AC power cord	1
4	Back-up Electrode	1
5	ear washing bulb	1
6	Pump bottle	1
7	Cooling tray	1
8	User Manual	1
9	Luxury tote kit	1

Options：

S/N	Description	Note
1	Fiber cleaver	AV33012
2	Miller Pliers	CFS-2
3	Li-Ion battery	BTR-72
4	USB	4G
5	Power cord of car inverter	DC-72