



# AV6472 Digital PAS Fusion Splicer





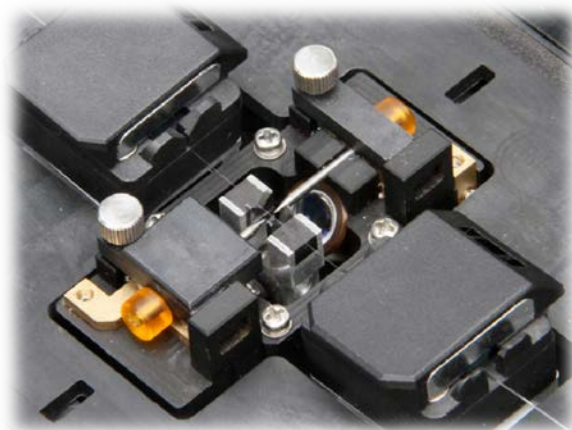
**AV6472** Digital PAS Fusion Splicer is a high performance optical fiber splicing machine with new design and high capacity. With powerful functions and super low splicing loss, it is highly competent for the application of optical fiber splicing. The function of auto-focusing not only ensures that the fiber cores on all types of fibers are visible, but also realizes the accurate alignment of fiber cores. It will automatically recognize the type of fiber, and select the optimal parameters based on the type. So this is the splicer that truly realizes automatic functionality. The GUI graphical design provides a user friendly interface panel which is intuitive and easy to use. The built-in large capacity Li-ion battery supports 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:

- Automatically recognize type of fiber and select the optimal parameters based on the type
- Auto-focusing realizes the accurate alignment of fiber cores
- Easy to use GUI interface
- 5,7" High-resolution true color LCD display
- Advanced 3-axis core to core fiber profile alignment system (PAS)
- Air cooling application provides fast cooling of shrink tube
- X/Y axis displayed with up to 360x magnification
- 8 seconds splicing time, 25 seconds Heat-Shrinking
- Built-in high capacity battery supports 220x splicing and heating
- Precise real-time display of remaining battery capacity
- Long Electrode Lifetime, up to 5000x
- Three Splicing modes: auto, quick, manual
- Can be set-up to automated start of splicing or heating when lid is closed
- Real-time discharging adjustment (No need for further adjustment)
- Auto calculate splicing loss
- Small size and light weight, only 2.8kg including battery
- 4000x result storage
- USB data & VGA interface
- One button operation to finish results download or software update
- One year Warranty



New GUI Graphic interface



High precision ceramic grooves simplifies fiber alignment and cleaning



Car lighter socket can be utilized for fusion splicing



Carrying case can be used as work bench



One button operation to finish result downloads



One button operation to finish software update



Display X-Y axes, Splicing loss, Time, Battery capacity, Temperature, Humidity

### Technical Specifications

Fiber alignment	3-axis advanced PAS (profile alignment system)
Fiber Types	Single mode and Multimode ITU-T G.651~G.657
Average Splicing Loss	0.02dB with G.652 and G.657, 0.01dB with G.651 and 0.04dB with G.653 and G.655
Splicing Time	Typical splicing time: 8 sec
Heating Time	Typical heating time: 25 sec
Return Loss	>60dB
Fiber Coating	100µm to 1000µm
Fiber Cladding	80µm to 150µm
Fiber Cleave Length	8~16mm (coating diameter <250µm), 16mm (coating diameter 250~1000µm)
Program	10 units factory setting SM program, 10 units factory setting MM program, 30 units user setting SM program, 30 units user setting MM program
Storage	4000 results
Data Transmission	USB port & VGA port
Heater	Auto Heat Mode, typical heating time is 25 seconds
Heat-Shrinkable Tube	40mm, 60mm and a series of micro Heat-Shrinkable Tubing
Lightning	Built-in super high-brightness LED, convenient for night work
Screen Display	Two CMOS cameras, 5,7" LCD with clear and exquisite image display
Lighting for Construction	Built-in super High-brightness LED supply convenience for night work
Magnifications	360/180x
Work mode	Automatic, Quick, Manual

### General Specifications

Power Supply	Alternating Current: 100-240 50Hz/60Hz 30W Built in 11.1V Li-ion battery charger and AC adaptor. DC Input 11-15V, can utilize power source from the car
Battery Life	220 times splicing and heating on one charge (3.5hours). Available for use when charging
Battery Lifetime	Cycle life up to 300 ~ 500 times, replaceable
Tension Test	1,96N standard (Other option available)
Electrode Lifetime	>5000 times, replaceable
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Relative Humidity	0 to 95% (non-condensing)
Work Altitude	0~5000 meters
Wind Resistance	15 m/s
Instrument Weight	2.4kg excl. battery, 2.8kg incl. battery
Dimensions(L x W x H)	160mm×150mm×130mm

Standard Configuration	
AV6472 optical fiber fusion splicer	1
AC power adapter	1
AC power cord	1
Spare electrodes (one pair)	1
Li-ion battery	1
Cooling tray	1
Alcohol pump bottle	1
Blower brush	1
Luxury carrying case	1
User manual	1

Options
Fiber cleaver
Miller plier
Li-ion spare battery
USB stick (4G)
Power cord for car lighter socket



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