

Code: AI-8C

## OPTICAL FIBER FUSION SPLICER **AI-8C**

The Signal Fire AI-8C optical fiber fusion splicer is the successor to the AI-8 model. The manufacturer slightly changed the design and housing of the device, and redesigned the power and charging system, further increasing its reliability. The number of splices that can be made per battery charge cycle has increased to 240. The AI-8C optical fiber fusion splicer uses the high-speed image process technology and special exact orientation technology, so that the whole process of fiber's fusion can be finished in 10 seconds automatically.

**Attention!** By default, the device is configured in auto mode. In most cases, any adjustments of the default settings are not required. No calibration is required - it must be done only in case of problems with obtaining the correct splice. Available in the [Google Play](#) and [AppStore](#) application is required, for example, to change the default splicing program or calibration due to extremely changing environmental conditions. Changing the parameters and configuration of the splicer is possible only through the Bluetooth interface with dedicated applications on Android / iPhone.



Fiber optic type:	<ul style="list-style-type: none"> <li>• Multi-Mode (MM) - G.651,</li> <li>• Single-Mode (SM) - G.652 &amp; G.657,</li> <li>• Single-Mode (DS / NZDS) Non-Zero Dispersion Shifted Fiber (G.655)</li> </ul>
Cladding diameter:	80 ... 150 $\mu$ m
Outer coating diameter:	0.1 ... 1 mm
Fiber cleaved length:	16 mm
Orientation technology:	core alignment, cladding alignment
Display:	5.1 " LCD, 800 x 480 px Image: display X and Y axis simultaneously
Average fusion loss:	0.01 dB (MM) 0.025 dB (SM) 0.04 dB DS / NZDS
Average fusion time:	6 s
Average heat time:	15 s
Fusion programs:	(factory applications) + (user applications)
Internal light:	✓

Internal heater:	✓
Set fusions parameters:	<ul style="list-style-type: none"> <li>• Surface angle test</li> <li>• fiber forward</li> <li>• prefuse power</li> <li>• prefuse time</li> <li>• arc power</li> <li>• arc time, etc</li> </ul>
Fusion storage:	✓
Mechanical strength test:	2 N
Computer interface:	USB 2.0 - Possibility to charge smartphones
Power supply:	13.5 V DC / 4 A (power adapter included)
Battery power supply:	11 V DC Li-Ion battery, 7800 mAh
Electrodes lifetime:	~ 3000 fusions
Operation temp:	-15 °C ... 50 °C
Permissible relative humidity:	< 95 % (non-condensing)
Weight:	2.1 kg
Dimensions:	<ul style="list-style-type: none"> <li>• 130 x 122 x 148 mm - splicer</li> <li>• 270 x 237 x 293 mm - toolbox for tools and splicing machine</li> </ul>
Guarantee:	<b>3 years</b>