DATA SHEET

Code: AI-9

OPTICAL FIBER FUSION SPLICER **AI-9**



The AI-9 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:	• Multi-Mode (MM) - G.651, • Single-Mode (SM) - G.652 & G.657, • Single-Mode (DS / NZDS) Non-Zero Dispersion Shifted Fiber (G.655)
Cladding diameter:	80 ... 150 µm
Outer coating diameter:	0.1 ... 1 mm
Fiber cleaved length:	16 mm
Orientation technology:	core alignment, cladding alignment, manual
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:	5 s
Average heat time:	15 s
Fusion programs:	(factory applications) + (user applications)
Internal light:	✔

DELTA-OPTI Monika Matysiak; https://www.delta.poznan.pl
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60

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Internal heater:	✔
Set fusions parameters:	• Surface angle test • fiber forward • prefuse power • prefuse time • arc power • arc time, etc
Fusion storage:	✔
Mechanical strength test:	2 N
Computer interface:	USB 2.0 - Possibility to charge smartphones
Main features:	• Built-in optical power meter : - Optical wavelength : 850 nm, 1300 nm, 1310 nm, 1490 nm, 1550 nm, 1625 nm - Wide measuring range : -70 dBm ... +6 dBm - Accuracy : < 0.3 dB , • VLS (VFL) - Visual Fault Locator of fiber cable : - Optical wavelength : 650 nm - Optical output power : 15 mW - Operation modes : continuous, pulsed - 2 Hz
Power supply:	13.5 V DC / 4.8 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:	2.16 kg
Dimensions:	202 x 145 x 128 mm
Guarantee:	**3 years**

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POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60