

Code: FS-520E

OPTICAL FIBER FUSION SPLICER **FS-520E**

The FS-520E optical fiber fusion splicer is an improve version of the FS-500E model.

The FS-520E 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. Built-in swivel LCD display provides excellent visibility of spliced fibers and fiber cores position.

Because of light weight, AC and DC power supply, powerful battery and resistance to environment external conditions splicer is the perfect device to use in all telecommunications, cable TV and CCTV installations.



Fiber optic type:	• Multi-Mode (MM) - G.651, • Single-Mode (SM) - G.652 & G.657, • single-mode dispersion-shifted fiber (DSF) (G.653), • Single-Mode (NZ-DSF) Non-Zero Dispersion Shifted Fiber (G.655), • other fibers with user-defined parameters
Cladding diameter:	80 ... 150 µm
Outer coating diameter:	0.1 ... 1 mm
Fiber cleaved length:	16 mm
Orientation technology:	core alignment, cladding alignment, fine alignment
Display:	3.5 " LCD, color Image: display X and Y axis simultaneously
Average fusion loss:	0.01 dB (MM) 0.02 dB (SM) 0.04 dB (DSF) 0.04 dB (NZ-DSF)
Average fusion time:	9 s
Average heat time:	35 s
Fusion programs:	53 (factory applications) + 40 (user applications)
Internal light:	✓

Internal heater:	✓
Set fusions parameters:	• Surface angle test • fiber forward • prefuse power • prefuse time • arc power • arc time, etc
Fusion storage:	4000 results
Computer interface:	USB 2.0
Power supply:	13.5 V DC / 4.8 A (power adapter included)
Battery power supply:	10.8 V DC Li-Ion battery, 5200 mAh
Electrodes lifetime:	~ 2500 fusions
Operation temp:	-10 °C ... 50 °C
Storage temperature:	-40 °C ... 60 °C
Permissible relative humidity:	< 95 % (non-condensing)
Weight:	1.44 kg
Dimensions:	148 x 130 x 122 mm
Guarantee:	2 years