

FIBRE OPTICS FUSION SPLICER



Litium battery

Includes cleaver,
stripper, peg, alcohol
dispenser bottle...

- ✓ Automatic fusion splicing on 3 axis (X,Y, Z). Maximum accuracy.
- ✓ Fibre aligning by means of core aligning method
 - ✓ Single or simultaneous axis view.
 - ✓ Fibre core can be display clearly.
 - ✓ 5.7" colour LCD display. Temperature and atmospheric pressure indicators.
 - ✓ Auto check quality of cleaved end face.
 - ✓ Small bulk and light weight.
 - ✓ Inner light to set fibre at night.
 - ✓ Inner heater.
 - ✓ Simple operation menu.
 - ✓ 8 seconds splice time and 30 seconds heat time.
 - ✓ Adjustable parameters.
 - ✓ Storage of splice result: 5000 results (10 parameters).
 - ✓ Fusion data results exported to an external USB flash drive.
 - ✓ VGA interface to connect to a projector.
- ✓ It includes cutter, stripper and hard carrying case for the complete fusion set transport.

SPECIFICATIONS	PROLITE-40B
Applicable fibres	Monomode (ITU-T G.652), Multimode (ITU-T G.651), DS (ITU-T G.653), (ITU-T G.657), NZDS (ITU-T G.655)
Fibre cleaved length	10 ~ 16mm
Fibre diameter	Cladding diameter: 80 ~150 µm. Coating diameter: 100~ 1000 µm
Fibre Count	Single
Fibre aligning method	Core aligning
Return loss	> 60dB
Actual average splice loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DS), 0.04dB (NZDS)
Splicing mode	Automatic, half-automatic and manual modes
Splicing program	10 (SM), 10 (MM), 10 (DS), 10 (NZDS)
Typical Splicing time	Typical 8 sec, with standard SM fibre
Protection sleeve length	60mm, 40mm and a series of micro sleeves
Storage of splice result	5000 results, 10 parameter per result
Tension test	2N
Fibre display and magnification	400X (X or Y view), 200X (X and Y view)
Heating time for protection sleeves	Typical 30 sec
Electrode life	4000
No.of splice/heating with battery	Typical 220 cycles (splice/tube heat) with inner Li-battery
Display screen	5.7" and 640x480 pixel colour LCD display, with temperature and atmospheric pressure indicators.
Terminals	USB (fusion data results exported to an external USB flash drive) and VGA (for projector).
Operating condition	0 ~ 2000 m above sea level, 0 ~ 95 % RH and -10 ~ 50 °C
Power supply	AC 100-240V with AC adapter; inner Li-battery. 3:30 h charge time
Included accessories	Cutter, stripper, AC adapter, spare electrodes, fusion protection sleeves, alcohol dispenser bottle, tweezers, dust blocking pear, carrying case for the complete set
Dimensions	140 mm (L) x 150mm (W) x160mm (H)
Weight	2.8 Kg including battery

Distributed by:



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The measurement website

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