



EFO200B

Optical fiber fusion splicer

The **EFO200000** (PROLITE-41) fusion splicer is one of the **lightest and most compact** equipment for fiber optics on the market. It is characterized by its fusion rapidity: 7 seconds.

The core alignment technology is used.

4 micrometric motors and the adjustment sensors enable to use the equipment not only in FTTH configuration but also to deploy long distance telecommunications systems connections.

The **PROLITE-41** fusion splicer is a compact machine, build around a master piece in titanium alloy and conceived to be waterproof and dust-tight.

It is **resilient to external shocks**.

It is particularly well-suited for **teaching different fusion splicing technics**.

Educational purpose

- ✓ Skills acquisition for the fiber preparation and fusion splicing connection.
- ✓ Essential and widely used tools by the connection technicians.
- ✓ Automatic fiber alignment.

Studied topics

- ✓ Fiber manipulation and preparation.
- ✓ Cleaning, stripping and cleaving.
- ✓ Fusion, fiber protection.
- ✓ Loss estimation.

Targeted training

► Vocational training in electricity/electronics, digital telecommunications

► Higher technician school

Technical characteristics:



Specifications:	Fusion splicer
Type of fiber	SM (Single-mode), MM (MultiMode), DS (Dispersion-Shifted), NZDS (Non-Zero Dispersion-Shifted)
Reflection rate	≥ 60dB
Average attenuation	0,03dB (SM) / 0,02dB (MM) / 0,06dB (DS) / 0,06dB (NZDS)
Fiber diameter	Cladding diameter: 125 μm / Coating diameter: 250 μm ~ 900 μm
Alignment mode	Core alignment or cladding alignment
Pull test	2N
Magnification	115x (X/Y axis) / 230x (X axis or Y axis)
Screen	LCD 4,3"
Results memorization	5000 last recordings
Fusion program	Preconfigured: 40 groups / Configurable by the user: 80 groups.
Fusion time	7s
Heating time	35 s (60 mm) / 28 s (40 mm)
Loss estimation	Yes
External port	USB

Standard configuration:

EFO 200 B – Basic package Implementation of an optical fiber fusion splicer:

Reference	Designation	Qty
EFO200000	3-axis optical fiber fusion splicer (<i>Prolite-41</i>) (with heating unit, loss estimation), 1 optical fiber stripper, 1 optical fiber cleaver, 1 carrying case and 50 shrink sleeves.	1
EFO001000	Single-mode optical fiber (SM) with 900-μm coating equipped with 2 SC/APC connectors L = 10m	1

Indispensable accessory:

EFO002000: laser protection glasses, OD value > 4 on the range 1000/1600 nm

Packing:

Dimensions: Net (board) L:150 x l:160 x h:140mm
Weight: Gross 1,8 Kg (approximate)

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