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FO kit: with hand-held fusion splicer

Electric arc fusion

Hand-held fusion splicer capable of performing an optical fibre electric-arc fusion in 7 seconds. With an easy and intuitive user interface, it is managed with only 3 buttons. Furthermore, fusion is automatically started with the cover closure.

Very easy to carry thanks to its light weight and reduced dimensions. The kit also provides a carrying case with the following accessories:

- Fibre cleaver with head insertion (cutting blade specified for 16,000 cuts)
- Fibre stripper (pre-set for 250 µm and 900 µm)
- Head set for 250 µm-fibre (black) and 900 µm-fibre (blue)
- Charger

Ref.232130

Art.Nr	OHSG
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Highlights

- Compact and light-weight: hand-held format
- Easy and intuitive user interface
- Fusion quality verification by means of a traction procedure followed by the calculation of optical losses
- The cutting angles are measured to detect a poorly set cleaver
- Detects errors in the fibre - usually due to dirt - prior to the fusion taking place

Main features

- Cladding-based fibre alignment
- Calibration based on the insertion of one fibre
- Automatic electrode cleaning
- Datalog for fusion data export
- Up to 60 fusions/bakings with a single battery charge; allows operation in charging mode (connected to the charger)

Specifications

General		
Average loss per splice	dB	0,03 @ Single Mode fiber 0,01 @ Multi Mode fiber
Average time per splice	s	7
Average time for the heat-shrink sleeve heating	s	60 @ cannula 45mm 90 @ cannula 60mm
Fusion programmes		2 pre-configured programmes (SM and MM)
Fibre alignment		By cladding: Axial (automatic) Radial (fixed, over V-Groove)
Screen		2,8" colour LCD, 320x240p
Lens magnification		140x
Languages		Spanish, English, German, French, Italian, Polish, Russian, Dutch, Swedish, Czech, Turkish
Interfaces		
Mini USB		Updates
External SD (not included)		Save and export fusion data
Powering		
Mains voltage	Vac	100 - 240
Mains frequency	Hz	50 / 60
Battery		Li-ION (7,4V and 3000mAh)
Operating range		
Operating temperature	°C	0 ... 45
Storage temperature	°C	-20 ... 60
Relative humidity	%	< 95%