FO kit with professional fusion splicer Electric arc fusion

Professional splicer with six 'step-by-step' motors, offering high precision for alignment to work on different axes, capable of performing an optical fiber fusion by electric arc in 9 seconds.
Additionally, the fusion starts automatically when the cover is closed.
Its design is optimized to work in any environment, even under adverse conditions. It prevents dust from accessing the fusion area, ensuring unmatched quality throughout the process. Its user interface with menus is simple and intuitive.
The case design with slots, made of highly durable ABS, contains the kit and serves a second function in addition to its lightweight portability, as it acts as a workbench, making it possible to work anywhere.
The following accessories are also included:

- Fiber cutter with removable collector (blade for 16,000 cuts)
- Precision fiber stripper (pre-set to 250 and 900µm)
- Isopropyl alcohol container
- Plastic tweezer
- Stand to cool down the fiber protectors
- Spare electrode set (2 units)
- Strap for the case and for the splicer itself
- AC and car charger (cigarette lighter type) with USB connector to charge other devices (5V, 2A)
- Removable lithium battery for user
- EU and US plugs

Ref.	232105
Logical ref.	OSSGT
EAN13	8424450205464

Packaging info

Box	1 pcs.

Physical data

Net weight	7,070.00 g
Gross weight	7,070.00 g
Width	145.00 mm
Height	160.00 mm
Depth	168.00 mm
Main product weight	7,070.00 g

Highlights

- The bumper protector made of high-density rubber provides a high impact resistance
- Mirrorless fiber detection technology, which improves lens protection and optimizes maintenance as mirrors no longer have to be cleaned
- Fusion quality verification by means of a traction procedure followed by the calculation of optical losses
- It measures the cutting angles to detect a misaligned cutter.
- The cutting angles are measured to detect a poorly set cleaver
- Double LED that eases the work in dark areas
- The case incorporates a tray for easy mounting of the fibre optics
- Automatic calibration of discharge based on altitude and atmospheric pressure, with the possibility of calibration based on the fiber used.
- Zoom automatically increased (x2) when the fibers are seen on the screen, allowing the core adjustment to be seen more precisely

- Automatic oven activation upon tube insertion
- Temperature sensor activated cooling system
- Equipment automatic self-check option
- Two independent connectors (battery and splicer), possibility of working w/o the battery connected
- Extraction battery special button that avoids accidental extractions

Application example

Robust and stable case with integrated tray allows you to work with several tools at the same time in a comfortable and efficient way.

The integrated tray in the case is able to support the fusion splicer, providing an uncluttered and agile working area. We recommend adding weight to the inside of the case to ensure stability during use.


Televes

Technical specifications

General		
Average loss per splice	dB	0.02 @ Single Mode fiber (SM) 0.01 @ Multi Mode fiber (MM) 0.04 @ DS fiber and NZDS fiber 0.02 @ BIF fiber and UBIF fiber
Average time per splice	s	9 / 7 (fast mode)
Average time for the heat-shrink sleeve heating	s	19
Fusion programmes		100 90 free and 10 factory pre-defined
Heating programmes		100 96 free and 4 factory pre-defined
Fiber alignment		Core alignment and cladding alignment in three axis X-Y-Z
Languages		English, Finnish, French, German, Italian, Polish, Portuguese and Spanish
Screen		High performance 4.3" LCD
Lens magnification		X-Axis + Y-Axis = 180 X-Axis or Y-Axis = 360
Electrodes life	uses	3000 (aprox.) 6000 (with spare)
Records		
Max. result record		10000
Interfaces		
Mini USB		Updates and records download
Powering		
Mains voltage	Vac	100 - 240
Mains frequency	Hz	50 / 60
Battery		Li-ION (11.1V and 7800mAh)
Charging battery duration	cycle	300 aprox. (splicing and heating)
Operating range		
Operating temperature	ºC / ºF	-20 ... +55 / -4 ... +131
Relative humidity	%	< 95
Altitude	m	0 - 5000