



Televés reserves the right to modify the product

## FO kit with professional fusion splicer

### Electric arc fusion

Professional fusion splicer equipped with six alignment engines to work on the different axes, capable of performing an optical fibre fusion in 9 seconds. Furthermore, fusion is automatically started with the cover closure. It also allows the fusion of pre-configured connectors, thus connectorizing the fibre.

Design optimized to work in any environment, even in the most stringent conditions. Besides, it prevents dust from entering the fusion area, thus ensuring an unsurpassable quality of the overall procedure.

The menu-based user interface is easy and intuitive.

The highly-resistant ABS case containing the kit has a second function besides transportation: thanks to its grooved design it can be used as a working table, making it possible to work virtually anywhere. The following accessories are also included:

- Fibre cleaver with removable pick-up feature (cutting blade specified for 16,000 cuts)
- Precision fibre stripper (pre-set for 250µm and 900µm)
- Isopropyl alcohol tank
- Plastic clamp
- Mount for fibre protection cooling
- Set of spare electrodes (2 items)
- Case and fusion splicer straps
- Regular and lighter-type chargers with USB connector allowing the recharge of other devices (5V,2A)
- User-removable lithium battery

#### Ref.232105

Art.Nr

OSSGT

EAN13

8424450205464

### Highlights

- Light-weight, reduced-dimensions professional fusion splicer (1,5Kg w/o battery)
- The bumper protector made of high-density rubber provides a high impact resistance

- Endures high wind speeds and other stringent environmental conditions
- 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

---

- Core-based fibre alignment
- 360° protection: dust, water, and shock proof
- Discharge self-calibration based on altitude and atmospheric pressure
- Calibration option based on the type of the fibre being used
- Automatic oven activation upon tube insertion
- Each of the six high-precision engines is equipped with the stepper motor operation mode, with a permanent magnet and gearbox for maximum precision
- Temperature sensor activated cooling system
- Equipment automatic self-check option
- Configurable ECO mode (auto shut down and stand-by)
- Datalog for fusion data and image export, without any external software installation
- Up to 250 fusions/bakings with a single battery charge
- Two independent connectors (battery and splicer), possibility of working w/o the battery connected
- Extraction battery special button that avoids accidental extractions
- Horizontal 4.3" LCD screen. Solid plastic protector included, compatible with the rubber band protector

## Technical specifications

General		
<b>Average loss per splice</b>	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
<b>Average time per splice</b>	s	9 / 7 (fast mode)
<b>Average time for the heat-shrink sleeve heating</b>	s	19
<b>Fusion programmes</b>		100 90 free and 10 factory pre-defined
<b>Heating programmes</b>		100 96 free and 4 factory pre-defined
<b>Fiber alignment</b>		Core alignment and cladding alignment in three axis --Y-Z
<b>Screen</b>		High performance 4.3" LCD
<b>Lens magnification</b>		--Axis + Y-Axis = 180 --Axis or Y-Axis = 360
<b>Electrodes life</b>	uses	4000 (aprox.) 8000 (with spare)
Records		
<b>Max. result record</b>		10000
Interfaces		
<b>Mini USB</b>		Updates and records download
Powering		
<b>Mains voltage</b>	Vac	100 - 240
<b>Mains frequency</b>	Hz	50 / 60
<b>Battery</b>		Li-ION (11.1V and 7800mAh)
<b>Charging battery duration</b>	cycle	300 aprox. (splicing and heating)
Operating range		
<b>Operating temperature</b>	°C / °F	-20 ... +55 / -4 ... +131
<b>Relative humidity</b>	%	< 95
<b>Altitude</b>	m	0 - 5000