PROFESSIONAL FUSION SPLICER KIT

F.O. FUSION BY ELECTRIC ARC

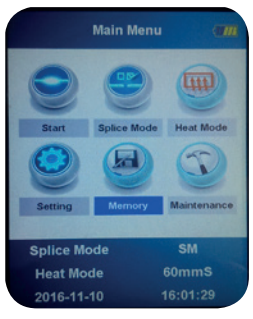
REF.	ART. NR.	DESCRIPTION	EAN 13
232103	OSSGN	F.O. KIT FUSION SPLICER	8424450183281

Professional fusion slicer which incorporate SIX alignment engines to work in differents axis during the **electric arc fusion**. It makes a perfect **splice** within **8 seconds**. Its transport case has made with **high durability ABS**, also it can **be used as a work surface.**

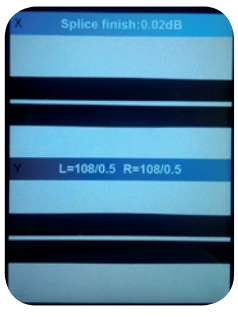
- **Small weight and dimensions**, it includes all necessary accessories.
- Protection bumper made in high quality and density rubber which provide **high resistance to impacts.**
- Designed for **harsh environments** like strong winds, waterproof and adverse environmental conditions. Furthermore it prevents dust from the splicer area guaranteeing a **high quality process.**
- **User friendly and intuitive** interface.
- It **automatically detects problems** before the splice is done as it **measures the angles** in which fibre has been cut (maybe pointing at a fault with the cleaver) and **faults** with the fibre (usually dust).
- It will also **make sure the splice has been correctly done** by checking the spliced fibre by **pulling** and **measuring optical losses.**

Furthermore, it offers:

- Core alingment system.
- 360º protection. Dustproof, waterproof and impact protection.
- Starts the splicing process automatically once the cover is closed.
- Automatic splicing (8 seconds).
- Correct splice is guaranteed by a traction test.
- Discharge automatic calibration due to altitude and pressure changes.
- Manual calibration posibility due to the kind of fiber.
- When the tube is inserted, the oven closes automatically.
- Splice data and images were exported to a Datalog.
- Full load battery allows you to made more than 250 merges/firing. It allows you to keep working in charge mode.
- Each one of the high precission engines have a stepper condition with a permantly magnet and a reduction ratio box to provide maximum precission.
- 3.7" LCD channel (640x480).
- Long life battery (7800mAH) with charge display (service life between 300 and 500 load cycles).
- Activated ventilation by temperature sensor.
- Device automatic check via user menu.
- Dual pressing keys which reduce wear.
- Configurable ECO mode (standby and automatic shutdown).
- Automatic picture rotation according to the position of the screen.
- User friendly and intuitive.



MAIN MENU



FUSION RESULT

DATALOG

REF.	ART. NR.	mm	g	U./Packing
232103	OSSGN	136 x 160 x 164	6,800	1/box

Reference / Art. Nr.			232103 / OSSGN
General			
Average loss per splice		dB	0.02 @ single-mode fiber (SM) 0.01 @ multi-mode fiber (MM) 0.04 @ DS & NZDS fiber
Average time per splice		s	8
Average time for the heat-shrink sleeve heating		s	28
Fusion programmes			11 (SM ,MM, NZ, DS and BIF) pre-configurated 89 free
Oven programmes			10 pre-configurated 40 free
Fibre alignment			3 AXIS Core X-Y-Z
Screen			3.7" colour LCD, 640x480
Lens magnification			Axis X+Axis Y=155 Axis X or Axis Y=310
Languages			Spanish, English
Electrodes life cycle		operations	4000 (aprox) 8000 (with replacement)
Sensors			
Internal			Inner temperature, pressure, altitude and oven temperature
Interfaces			
Mini USB			Upgrade and datalog download
Powering			
Mains voltage		Vac	100 - 240
Mains frequency		Hz	50 / 60
Battery with level meter			Li-ION (11.1V and 7800mAh)
Battery range		operations	250 (aprox) (splicing and heating)
Operating range			
Operating temperature		ºC	-10 ...+50
Relative humidity		%	< 95%
Working height		m	0 - 5000
General			
Weight	Slicer	g	1800 (without battery)
	Battery		530
	Complete kit		6800 (with briefcase and accesories)
Dimensions (W x H x D)		mm	136 x 160 x 164

FRONT VIEW

SPLICER AREA DETAIL

ACCOMMODATION SLOTS WORK AS A WORK SURFACE

Accessories included in the kit:

- New fibre cleaver with removable gatherer (cutter for 16,000 cuts).
- Pre-calibrated precission fibre stripper at 125, 250 and 900µm.
- 12V supply and car adapter. Car adapter allow to charge more devices thanks to the USB connector (5V, 2A)
- Handle and belt transport case.
- Slicer equiped with belt.
- Removable by user litium battery.
- Isopropyl alcohol container with dispenser.
- Plastic tweezer.
- Support to let the fibre protections cool down.
- Spare set of electrodes (2 units).
- Spare set of fibre holders (2 units).
- Interchangeable head for splice-on connectors fusion.

COMPLETE KIT