



## 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 volume        | 39.50 dm <sup>3</sup> |
| 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.



## Technical specifications

|                                                 |         |                                                                                                                                    |
|-------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------|
| General                                         |         |                                                                                                                                    |
| Average loss per splice                         | dB      | 0.02 @ Single Mode fiber (SM)<br>0.01 @ Multi Mode fiber (MM)<br>0.04 @ DS fiber and NZDS fiber<br>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<br>90 free and 10 factory pre-defined                                                                                          |
| Heating programmes                              |         | 100<br>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<br>X-Axis or Y-Axis = 360                                                                                    |
| Electrodes life                                 | uses    | 3000 (aprox.)<br>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                           | °C / °F | -20 ... +55 / -4 ... +131                                                                                                          |
| Relative humidity                               | %       | < 95                                                                                                                               |
| Altitude                                        | m       | 0 - 5000                                                                                                                           |