# ALCAD

# OPTICAL FIBER SPLICER

## 9180003 - OEQ-100

Alcad OEQ-100 provides the highest technology available for simplifying the installation of optical equipments in the deployment of a Fiber To The Home network (FTTH). It includes all the necessary tools for splicing optical fibres in a quick, reliable and cost-effective way.

OEQ-100 is capable of dealing with single-mode and multimode fibres, reaching the highest accuracy standards thanks to its image processing and high speed core alignment functions. Its reduced weight, long-lasting Li-Ion battery and 3,5" color TFT screen for controlling the alignment process during the splicing, make it stand out as one of the best options of the market. In order to increase its flexibility, OEQ-100 incorporates an easy-to-use tube-heater for thermoshrinking the protection sleeves directly on site.

## MAIN FEATURES

- 3,5" TFT color display
- Compact and light, weight 2.0 Kg
- Reversible monitor with control panel in each side
- Core alignment
- 8 sec. splice time, 35 sec. tube-heat time
- Simultaneous X and Y views
- Internal battery of large capacity (>150 splices & heats)
- System Test ensures the best working conditions
- User programmable
- Autocheck fiber-end-face
- Autocalibration of the parameters
- Storage of up to 8000 groups of splicing results
- Multiple language options

## KIT CONTENT

- Fusion splicer
- Fiber cleaver
- Fiber stripper
- Internal battery
- Charger
- Spare electrodes
- Cooling tray
- User manual
- Carry case
- Fiber holder

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| CODE | | 9180003 |
|---|---|---|
| MODEL | | OEQ-100 |
| Type of fibres accepted | | SM, MM, DS, NZ-DS, G.655, G.657 |
| Cladding diameter | µm | 80...150 |
| Coating diameter | µm | 100...1000 |
| Fibre cleaved length | mm | 8 ~ 22 (standard) |
| Fibre Alignment | | Core alignment (PAS Technology) |
| Splicing mode | | Automatic Setting |
| Average splice loss | dB | 0,02 (SM) / 0,01 (MM) / 0,05 (DS/NZDS/G.655/G657) |
| Return loss | dB | ≥ 60 |
| Electrodes lifetime | | > 5000 splices |
| Protection sleeve length | mm | 25, 40, 50 |
| Tension test | N | 2.0 (standard) |
| Language | | Spanish, English, French, Chinese, Russian |
| Interface | | USB, suitable for data download and software upgrade |
| Internal Battery | | 12 V / 10000 mAh, up to 150 splices and heats |
| Power supply AC adaptor | Vac | 85 ~ 260 |
| Enviroment conditions | | - 18 ~ + 50 °C (operation temperature), 0 ~ 95 %RH (humidity), 0 ~ 5000 m (altitude) |
| Storage conditions | | - 40 ~ + 80 °C (temperature), 0 ~ 95 %RH (humidity) |
| Fiber splicer weight | Kg | 2,0 |
| Fiber splicer dimensions | mm | 130 x 122 x 122 |
| Units per packing | | 1 |
| Packing weight | Kg | 8,43 |
| Packing dimensions | mm | 525 x 360 x 305 |