

# Fibre Optic Cabling

## Mini 3S Active Alignment Fusion Splicer

The Mini 3S active alignment splicer with its innovative design and improved technology greatly reduces splicing and heating time. The digitalised active alignment technique ensures the accuracy of the splice loss estimation., whilst its small size, compact design and reliable protective casing make it suitable for any operating environment - the perfect solution for FTTH.



### Features & Benefits

- Heating time - 18 sec <60 mm sleeve>
- Active alignment DAA (Digitalised Active Alignment).
- One battery is included in the standard package - 200 cycles (splicing & heating)
- Full touch screen - GUI interface & tempered glass
- SOC compatible
- Anti-shock, dust proof and waterproof
- Mini 60A Cleaver included

### Kit Includes

MINI 3S Splicer, MINI 60A Cleaver, Cleaver Softcase, Cooling Tray, Spare Electrode, 1 Battery Pack, Shoulder Strap, Power Cord, Data Cable, AC Adapter, USB Cable, Hand Carrying Case.

| Product Specifications |                     |   |
|------------------------|---------------------|---|
| Splicing               | Method              | Active Alignment DAA(Digitalized Active Alignment)  |
|                        | Average Loss        | SSM(0.03dB) / MM(0.02dB) / DS(0.05dB) / NZDS(0.05dB)                                      |
|                        | Return Loss         | >60dB   |
|                        | Mode                | 139 modes (Pre-set: 11 / User set-up: 128)  |
|                        | Time                | 8s average SM   |
|                        | Attenuation         | Available rage : 0.1 - 20dB   |
| Applicable Fibre Cable | Applicable Fibre    | SM (ITU-T G.652 &G.657) MM (ITU-T G.651), DS (ITU-T G.653) NZDS (ITU-T G.655)             |
|                        | Cleaved Length      | Coating Diameter < 0.25mm = 5-16mm<br>Coating Diameter > 0.25mm = 8-16mm                  |
|                        | Coating Diameter    | 100-3000 um   |
|                        | Cladding Diameter   | 80-150 um   |
| Heating                | Mode                | 37 modes (pre-set 5/user set-up 32)   |
|                        | Time                | Average 18s   |
|                        | Protection Sleeve   | 20-60mm   |
| Hardware               | Data Output         | USB (5Pin Mini-B)   |
|                        | Splice Programs     | 8 user modes, User installable mode: 70+  |
|                        | Electrode Life Span | >3,500 arcs   |
|                        | Data Storage        | 10,000 splicer record/2000 splice image   |
|                        | Battery             | Li-ion 11.1V 3000mAh<br>200 cycles (Splicing & Heating)<br>Storage Temperature : -20-40 C |

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|------------------------|-----------------------|--|
| Hardware               | Power Supply          | AC 100-240V input or DC 12.6V-1.8A                               |
|                        | Monitor               | Colour 4.3" LCD monitor, with Touch Screen (Tempered Glass)      |
|                        | Cameras               | Dual CCD camera with LED emitting system                         |
|                        | Illumination          | LED Spot Light   |
|                        | Fibre Display         | X/Y (single image) 260x<br>X&Y (dual image) 130x                 |
|                        | Weight                | 1.1 Kg (without battery)   |
|                        | Size                  | 123 mm X 114 mm X 126 mm   |
| Reliability            | Wind Protection       | Wind speed: 15m/s (max)  |
|                        | Operating Environment | Altitude: 0-5,000m<br>Temperature: -10-50°C<br>Humidity: 0-95%RH |
|                        | Storage Condition     | Temperature: -20 to 60°C<br>Humidity: 0-95%RH                    |
|                        | Pull Test             | 1.96-2.25N (standard)  |

### Ordering Information

| Product Description   | Part Number |
|---|-------------|
| Mini 3s Active alignment Splicer Kit - includes 60A Cleaver |             |