

i4s

Core Alignment

- **Heating Time:** 13s
- **Splicing Time:** 4s
- **Battery:** 7000mAh (up to 400 cycles)



**The Largest Battery
on the Market**

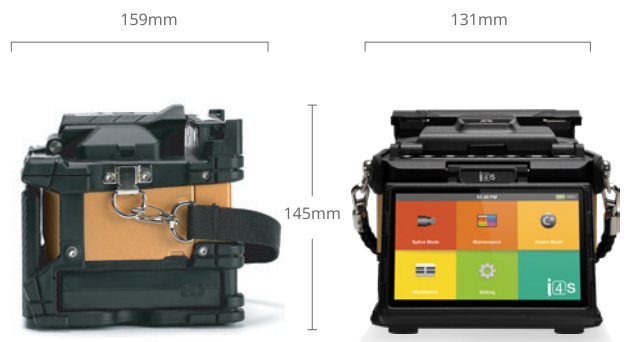
TECHNICAL SPECIFICATIONS

| Items | Specifications |
|-----------------------|--|
| Model | i4s |
| Alignment Method | Core Alignment |
| Number of Fibers | Single |
| Applicable Fibers | SM (G.652 & G.657) / MM (G.651) / DS (G.653) / NZDS (G.655) / CS (G.654) / EDF |
| Coating Diameter | 100µm - 3mm |
| Cladding Diameter | 80 - 150µm |
| Cleave Length | 5 - 16mm |
| Typical Splice Loss | SM: 0.02dB / MM: 0.01dB / DS: 0.04dB / NZDS: 0.04dB / G.657: 0.02dB |
| Return Loss | >> 60dB |
| Splice Time | Quick mode: Avg. 4 sec / SM mode: Avg. 5sec |
| Splice Programs | Max 128 modes |
| Automatic Calibration | Automatic Arc Calibration by air pressure & temperature |
| Electrode Life span | 6000 Arc Discharges |
| Heating Programs | Max 32 modes |
| Heating Time | 13 sec (45mm, 60mm slim) |
| Protection Sleeve | 20mm - 60mm |
| Data Output | USB-C |
| Splice Memory | 20,000 Splice data / 20,000 Splice image |
| Battery | Battery Capacity: 7000mAh / Operation Cycle: 400 cycles (Splicing + Heating) |
| Power Supply | AC Input 100 - 240V, DC Input 9 - 19V |
| Monitor | 5" Color LCD display, Full Touch Screen |
| Magnification | x130, x320 |
| Size | 159 x 131 x 145mm |
| Weight | 1.826kg (1.436g without battery) |
| Pull Test | 1.96 - 2.25N |

*Splicing Time: Measured from the time of fibers entering the screen until the estimated loss is displayed. Splicing time can vary depending on the calibration status.

*Battery: Measured as 1-minute cycle of splicing and heating. Measured in Power Save mode.

WEIGHT AND DIMENSIONS



Height: 145mm
Width: 131mm
Depth: 159mm

Weight
1.826kg
1.436kg without battery

ENVIRONMENTAL CONDITION & TEST

| Items | Specifications |
|----------------------|---|
| Operating Conditions | Altitude: 0 - 5000m Humidity: 0 - 95%, non-dew Temperature: -10 - 50°C Wind: up to 15m/sec |
| Storage Conditions | Humidity: 0 - 95%, non-dew Temperature: -20 - 60°C |
| Resistance Tests | Shock Resistance : 76cm for bottom surface drop Exposure to Dust : 0.1 to 500µm diameter aluminium silicate Rain Resistance : 10 mm/h for 10 mins |

- Water resistance (IPx2)
- Shock resistance (Drop from 76cm)
- Dust resistance (IP5X)



Water
Resistance



Shock
Resistance



Dust
Resistance

The Information on this catalog is subject to change without prior notice.

i INNO Instrument does not accept responsibility for damages arising from misuse of the product.