

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



ENVIRONMENTAL CONDITION & TEST

Items	Specifications
Operating Conditions	Altitude: 0 - 5000m Humidity: 0 - 95%, non-dew Temperature: -10 to 50°C Wind: up to 15m/sec
Storage Conditions	Humidity: 0 - 95%, non-dew Temperature: -20 to 60°C
Resistance Tests	Shock Resistance : 76cm for bottom surface drop Exposure to Dust : 0.1 to 500um 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.