INNO INSTRUMENT

M7+

Compact Active V-Groove Cladding Alignment Fusion Splicer

- Ultrafast Splicing & Heating
- Lightweight & Compact Design
- Bright Operation Lighting
- Versatile Fiber Holder
- Rapid Response Time

IoT GPS

- Real-Time Tracking
- Report & Data Management
- Job & Work Management
- Device Management

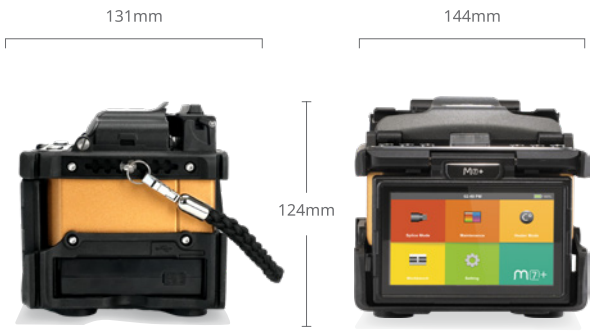
V.1.05

TECHNICAL SPECIFICATIONS

Items	Specifications
Model	M7+
Alignment Method	Active V-Groove Clad 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: 0.03dB / MM: 0.01dB / DS: 0.05dB / NZDS: 0.05dB / G.657: 0.03dB
Return Loss	>> 60dB
Splice Time	Quick mode: Avg. 4 sec / SM mode: Avg. 5 sec
Splice Programs	Max 300 modes
Automatic Calibration	Automatic Arc Calibration by air pressure & temperature
Electrode Life span	6000 Arc Discharges
Heating Programs	Max 100 modes
Heating Time	Quick: 9s / Average: 13s (60mm slim)
Protection Sleeve	20mm - 60mm
Data Output	Cloud (View Pro Manager) + USB-C
Splice Memory	20,000 Splice data / 10,000 Splice image
Battery	Battery Capacity: 3000mAh / Operation Cycle: 200 cycles (Splicing + Heating)
Power Supply	AC Input 100 - 240V, DC Input 9 - 14V
Monitor	4.3" Color LCD display, Full Touch Screen
Magnification	x320
Size	124 x 144 x 131mm
Weight	1.49kg
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: 124mm
Width: 144mm
Depth: 131mm

Weight
1.49kg

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: -40 to 80°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 trom 76cm)
- Dust resistance (IP5X)

Water Resistance
Shock Resistance
Dust Resistance

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

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