INNO INSTRUMENT

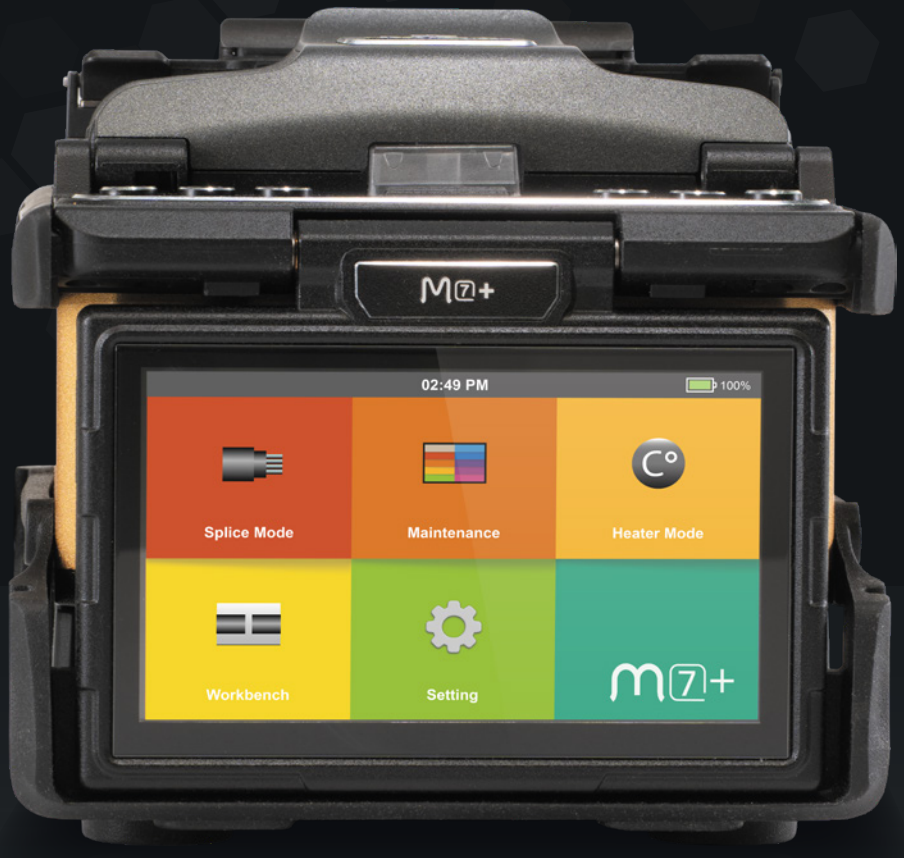
M7+

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



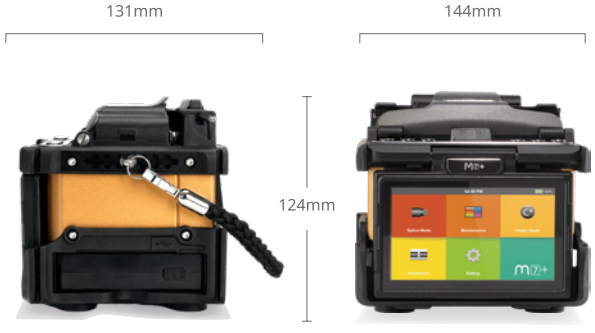
V.1.04

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 128 modes
Automatic Calibration	Automatic Arc Calibration by air pressure & temperature
Electrode Life span	6000 Arc Discharges
Heating Programs	Max 32 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 - 19V
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 - 50°C Wind: up to 15m/sec
Storage Conditions	Humidity: 0 - 95%, non-dew Temperature: -40 - 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.

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

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