KWS | ELECTRONIC TEST EQUIPMENT GMBH

M9+

Ultra-portable core alignment splicer

Core alignment
Light, handy and extremely fast
Bright operating light
Versatile fiber holder
4.3-inch color LCD touch screen with smart GUI
Quick response time

INNO INSTRUMENT™

Pressure heater technology:
Reducing heating time to only
9 seconds

Improved lighting:
For better visibility in dark
environment

Tool-free field-replaceable
electrodes:
Electrodes easy to replace

Higher energy efficiency:
Increased number of cycles, even
with the same battery capacity

Versatile fiber holder:
Switch between Standard
and Loose-Tube fibers

4,3 inch touch screen with smart GUI
Highest magnification: × 320
Double tap to zoom in & out

The M9+ from INNO Instrument is a core alignment splicer with an ultra-portable design that sets the standard for efficient fusion splicers in its segment. Although the M9+ is so small and lightweight, it has virtually all the features you'd expect from INNO Instrument.

The device stores 20,000 measured values and 10,000 documentation images, which are recorded at 320 × magnification. The high-resolution 4.3 inch color LCD touchscreen provides detailed control and presents an intuitive, self-explanatory user interface. Powerful lighting ensures comfortable working, even in difficult on-site lighting conditions.

A decisive added value of INNO splicers is the integration into the free View Pro Cloud Management System, which enables an entirely new level of remote management. The web-based application enables on-site staff and back-office management to optimize workflows, generate comprehensive evaluations and much more:

- Real-time tracking
- Centralized reports and data
- Optimized work and job management
- Device management for calibration monitoring etc.

Specifications

Model	M9+
Number of fibers	Single
Alignment method	Core alignment
Applicable fibers	SM (ITU-T G.652 & G.657) / MM (ITU-T G.651) / DS (ITU-T G.653) / NZDS (ITU-T G.655)
Coating diameter	100 µm to 3 mm
Cleave length	5 to 16 mm
Cladding diameter	80 to 150 µm
Splice programs	Maximal 128 modes
Heating programs	Maximal 32 modes
Typical splice loss	SM: 0.02 dB / MM: 0.01 dB / DS: 0.03 dB / NZDS: 0.03 dB / G.657: 0.02 dB
Splice time (typical) *	Quick mode: 4 seconds / SM mode 5 seconds / Auto mode: 7 seconds
Heating time	Quick mode: 9 seconds / Average: 13 seconds (60 mm slim)
Protection sleeve length	20 to 60 mm
Display	4.3" Color LCD display, Full Touch Screen
Fiber view	X, Y, XY, X/Y
Fiber display (magnification)	× 320
Return loss	> 60 db
Data storage	Last 20,000 (values) or 10,000 (images) results
Pull test	1.96 to 2.25 N
Operation	Keys / Touchscreen
Lighting	White LED
Power supply	AC input 100 to 240 V / DC input 9 to 19 V
Battery *	Capacity: 3,000 mAh / Typical operation cycles: 200 cycles (splicing and heating)
Electrode life span	6,000 arc discharges
Data output	Cloud (View Pro Manager) and USB-C
Dimensions in mm (Height × Width × Depth)	125 × 144 × 136
Weight	1.63 kg

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

* Battery: Measured as a one-minute splicing and heating cycle. Measured in energy-saving mode.

Environmental conditions and resilience

Operating conditions	Altitude: 0 to 5,000 m above sea level 0 to 95 % relative humidity (non-dew) –10 to 50 °C / Max wind 15 m/sec
Storage conditions	0 to 95 % relative humidity (non-dew) / –40 to 80 °C
Water resistance (IPx2)	Rain resistance: 10 mm/h for 10 minutes
Shock resistance	76 cm for bottom surface drop
Dust resistance (IP5X)	Exposure to dust: 0.1 to 500 µm diameter aluminium silicate

Responsibility for damage resulting from misuse of the product is not accepted.

Water resistance

Shock resistance

Dust resistance

Scope of delivery

Splicer	M9+
Cleaver	V1
SOC Holder	FH-SOC-R
SOC Heater cover	HTS-SOC-02
AC Adapter	JS-180300
Cooling tray	CG-23

Electrodes	E-50
Battery pack	LBT-3000
Power cable	ACC-25
USB cable	USB-7P
Carrying case	ICC-55
Shoulder strap	ST-01

Accessories

In addition to the splicer, various tools are required for the correct preparation of the fibers. If you are not yet equipped for this, we are of course happy to help. Whether it's a suitable stripper, a loose tube cutter, cleaning fluid and cloths or a crimping press, we can provide everything. And we're here to help and advise you. Talk to us or get an initial overview online.

Splicing technology in the web shop: www.kws-electronic.shop

Splicing technology on our website: www.kws-electronic.com

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