

# M7

## Ultra-portable designed clad alignment splicer

Clad alignment (Active V-Groove)

Lightweight and handy

Outstanding magnification and resolution

4.3-inch color LCD touch screen

Double tap (zoom in & out)

Detachable SOC holder and heating oven





Long lasting electrode



Changeable holder for multi-functional splicing



2 bright LEDs for dark environment



Ceramic clamp—improved durability



Detachable heating oven for SOC



Adjustable carrying strap



4.3 inch touch screen with smart GUI  
The highest 400x magnification  
Double tap to zoom in & out



touch

The INNO Instrument M7 is an active, clad alignment splicer with an ultra-portable design, and is one of the most efficient fusion splicers on the market.

Despite its compact design and light weight, the M7 has virtually all the powerful features for which INNO Instrument has become known for. Documentation images are captured at 400× magnification. This allows for extremely detailed inspection on the high-resolution 4.3-inch color LCD screen.

The easy-to-use interface is intuitively designed; zooming in and out, for example, is as simple as a double tap. 2 bright LEDs ensure comfortable working even in low light conditions.

## Specifications

Model	M7
Number of fiber	Single
Applicable fibers	SM (ITU-T G.652 & G.657)/MM (ITU-T G.651)/DS (ITU-T G.653)/NZDS (ITU-T G.655)
Compatible fiber / cable	0,25–3,0 mm / Indoor cable
Cleaved length	10–16 mm
Cladding diameter	80–150 μm
Splicing mode	Maximum 100 modes, 7 presets
Heating mode	Maximum 30 modes, 3 presets
Typical splice loss	SM: 0,03 dB / MM: 0,02 dB / DS: 0,05 dB / NZDS: 0,05 dB / G.657: 0,03 dB (ITU-T Standard)
Splicing time	12 seconds
Heating time	approx. 20 seconds
Heating sleeve length	20–60 mm
Screen	90° bidirectional view, 4.3 inch high resolution color display
Fiber view & magnification	300× magnification with 3 display modes, 400× partial magnification
Return loss	» 60 dB
Estimated splice loss	Accessible
Results storage	The last 10,000 results (Values + photos)
Tension test	1,96–2,25 N
Operation	Button / Touchscreen
Lighting	2 white LEDs
Power supply	AC Input 100–240 V, DC Input 19 V
No. of splice & heating with battery	3.000 mAh battery capacity / Typical 110 times (Splice + heat)
Automatic calibration	Automatic arc calibration by air pressure and temperature
Electrode life	5,500 arcs, can be extended by using an electrode grinder
Terminal	Mini USB
Operating condition	Operating altitude: 0–5.000 m above sea level / 0–95 % relative humidity / –10 to 50 °C / Max. wind 15 m/s
Storage condition	0–95 % relative humidity / –40 to 80 °C
Dimensions in mm (Height×Width×Depth)	124×144×131
Weight	1,31 kg (without battery)/1,56 kg (including battery)



## Weight and dimensions



Height: 4.88" (124 mm)  
Width: 5.66" (144 mm)  
Depth: 5.15" (131 mm)  
Weight: 3.43 lbs (1,56 kg including battery)

## Delivery contents

Splicer	View 3
Cleaver	V7+
Fiber holder	VFH-40 (Basic equipment) / FH-SOC
SOC holder	HT-SOC
Power adapter	JS-180300
Cooling tray	CG-22
Electrodes	E-50
Electrode grinder	EG-18
Battery pack	LBT-50
Power cable	ACC-25
USB cable	USB-5P
Cigarette lighter cable	CJ-11
carrying case	NBX-35

## 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.

The information contained in this catalogue is subject to change without notice.

Splicing technology in the web shop: [www.kws-electronic.shop](http://www.kws-electronic.shop)

Splicing technology on our website: [www.kws-electronic.com](http://www.kws-electronic.com)

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