

## M7 Splicer (V10 Pro)

Ultra-Portably Designed Active V-Groove Fusion Splicer

Active V-Groove Clad Alignment Splicing Method

Truly Light Weight and Handy Size

Adjustable Strap Hanger

Outstanding Magnification and Resolution

4.3" Color LCD Touch Screen

Double Tapping (Zoom in & out)



**BELIEVE YOUR EYES**

## CHARACTERISTICS

M7 Light and perfect structure



## DESCRIPTION

M7, an active clad-alignment splicer with ultra-portable design, is the most efficient fusion splicer in the market. This small but accurate fusion splicer inherits many remarkable functionalities from sisterproducts. M7's 4.3 inch high-resolution color LCD touch screen with user-friendly intuitive GUI(Graphic User Interface) offers large and clear fiber images to users. Moreover, the adjustable strap hanger make users to customize M7 for their working condition.



### DOUBLE TAPPING

By double-tapping the screen, users can zoom in the fiber image to the industry's highest magnification of 400x. Fiber condition can be easily checked with unaided eyes.

## SPECIFICATIONS

Model	M7
Dimension	124H x 144W x 131D (including rubber bumper)
Weight	1.56kg (including battery) / 1.31kg (without battery)
Number of Fiber	Single
Applicable Fibers	SM(ITU-T G.652&T 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 $\mu$ m - 150 $\mu$ m
Splicing Mode	Max 100 modes, preset 9 modes
Heating Mode	Max 30 modes, preset 3 modes
Typical Splice Loss	0.03dB(SM)/ 0.01dB(MM)/ 0.05dB(DS)/ 0.05dB(NZDS)/ 0.03dB(G.657) Measured by cut-back method relevant to ITU-T standards.
Return Loss	>>60dB
Lighting	2 White LEDs
Splicing Time	Quick mode: 7sec (Avg.) / Typical: 9 sec (Avg.)
Estimated Splice Loss	Available
Heating Sleeve Length	20 mm - 60 mm
Heating Time	13 sec (45mm, slim 60mm), 15 sec (60mm)
Results Storage	Last 10,000 records
Tention Test	1.96~2.25N
Operating Condition	Altitude 0~5000m above sea level, Humidity 0~95%RH, -10~50°C, Wind 15m/s
Storage Condition	0~95% relative humidity, -40~80°C
Display	90° bi-directional view, 4.3" Color High Resolution Display
Fiber View & Magnification	300X magnification with 3 display modes, 400X partial magnification
Power Supply	AC Input 100-240V, DC Input 9-14V
No. of Splice / Heating with Battery	Typical usage: 130 cycles / Power save usage: 200 cycles
Operating Methods	Button / Touch Screen
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Electrode Life	5500 arcs, can be extended by using an electrode grinder
Terminal	USB Type-C
Durability tests	Shock resistance : Drop from 76cm
(No guarantee the product will not be damaged by these conditions.)	Dust resistance : Test in the dust chamber for 8 hours (IP5X) Water resistance : Dripping water when tilted up to 15° (IPX2)

131mm

124mm

144mm

## Technical support \*2023