M7

BELIEVE
YOUR
EYES.

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)

CHARACTERISTICS

M7

Light and perfect structure

Electrode with long life

Changeable holder for
multi-functional splicing

2 Bright LEDs for dark environment

Detachable
heat oven for SOC

Ceramic Clamp - Improved durability

Adjustable Strap Hanger

4.3” Touch Screen with Smart GUI
The Highest 400X magnification
Double Tap to Zoom in & out

touch

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 sister products. 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 µm - 150 µm
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 (No guarantee the product will not be damaged by these conditions.)	Shock resistance : Drop from 76cm
	Dust resistance : Test in the dust chamber for 8 hours (IP5X)
	Water resistance : Dripping water when tilted up to 15° (IPX2)

WEIGHT AND DIMENSIONS

Height
4.88 inches (124mm)

Width
5.66 inches (144mm)

Depth
5.15 inches (131mm)

Weight
3.43 pounds
(1.56kg including battery)

PACKAGE

Fusion Splicer	M7
High Precision Cleaver	V7
Simple Optical Fiber Collector	SC-V7-01
Fiber Holder	FH-200 /250S, FH-900S
SOC Heater Cover	HTN-SOC
AC Adapter	JS-1618
Cooling Tray	CG-22
Electrodes	E-50
Battery Pack	LBT-3000
Power Cable	ACC-25
USB Cable	CTA-01
Carrying Case	NBX-M05

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