

DB-02S Optical Fiber Fusion Splicer

Touch Screen / 7" Fast Splicing / 14" Fast Heating / Water & Dust Resistant

Key Features

- 7s fast splicing, 14s highly efficient heating
- At least 220 counts of splicing and heating cycles
- Dust-resistant, water-resistant, shock-resistant
- 10000 groups of fusion records storage
- USB and SD card interface, auto update of U disk
- Ceramic presser foot, ceramic V-groove, all-in-one fixture
- Dual-directional fusing, auto fusing, intelligent heatshrink
- 300 groups of splice modes, 100 groups of heating modes
- 320 times image magnification, 5mm fusing for ultra-short cleave length
- GUI (graphical user interface) and touch screen, convenient for operation

Typical Applications

- FTTx
- Metro
- Data center
- Optical assembly
- Fiber optic components



Features To Boost Your Efficiency

- ◆ **Water-resistant, dust-resistant, shock-resistant, greater environment adaptability**



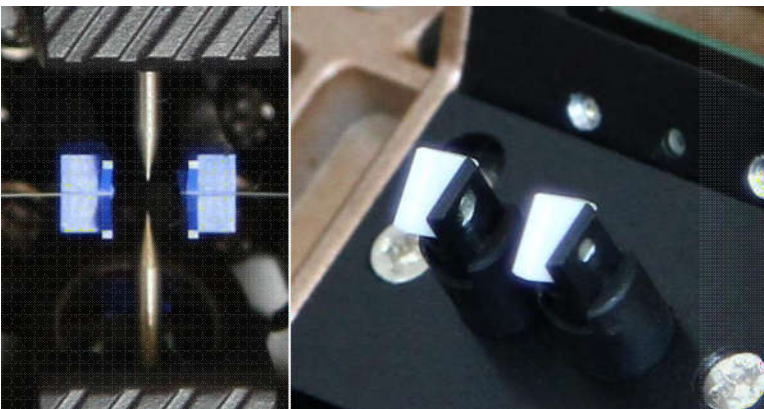
- ◆ **All-in-one fixer and Graphical interfaces and touch screen**



◆ Intelligent heat shrink



◆ Ceramic V-groove and ceramic presser foot



Technical Specifications

Model	DB-02S
Motor qty.	4
Alignment method	Cladding alignment, manual alignment
Applicable fibers	SMF (G.652), BIF(G.657), MMF (G.651), DSF (G.653), NZDSF (G.655)
Typical Splice loss	0.03dB (SMF/BIF), 0.02dB (MMF), 0.04dB (DSF), 0.04dB (NZDSF)
Optical fiber diameter	Cladding: 80 - 150 μ m, coating layer: 0.1 - 3mm
Cleave length	5 - 16mm (coated optical fiber diameter \leq 250 μ m) 10mm (coated optical fiber diameter: 0.25 - 3mm)
Return loss	Better than 60dB
Attenuation value accuracy	0.01dB
Splicing/Heating Programe	300/100
Splicing time (typical)	7s (Fast mode)
Heating time (typical)	14s (40mm, 23 $^{\circ}$ C)
Tension	1.96N - 2.25N
Protection sleeve	60mm, 40mm and a series of protection sleeves
Graphical display	High-performance 4.3 inch LCD
Magnification time	320 times / 88 times

Fusion records	10000 groups
Max. power consumption	55W
Battery capacity	11.1V, 6800mAh
Battery operation time	Min. 4 hours, battery indicator in display
Battery service life	Cycle charging: 300 - 500 counts, can be replaced by customers
Electrode service life	Typical 5000 counts, can be replaced by customers
Construction lighting	Built-in lights with high-brightness and wide lighting area
No. of splice/heating per battery full charge	>220 cycles
Resistance features	Shock: 60cm all surface drop, Rain: H=3mm/min for 10min, IPX2 Dust: Exposure to dust (0.1 to 500µm dia Alumina Silicate), IP5X

General Information

Model	DB-02S
Working environment	Altitude: 0 to 6000m above sea level Humidity: 0 to 95%RH, non-dew Temperature: -10 to 50°C Wind: 15m/sec*4
Operation interfaces	GUI (graphical user interfaces)
External power	AC: 100 - 240V, 60Hz, 0 - 1.5A DC: 10 - 15V
Port	USB / SD
Dimensions	120mm × 130mm × 154mm (W×H×D) (without rubber anti-vibration pad)
Weight	1.65kg (without battery), 1.95kg (with battery)

Standard Package

No.	Description	Qty.
1	Fusion splicer	1 PC
2	S3 fiber cleaver	1 PC
3	AC adapter	1 PC
4	AC power cord	1 PC
5	Fiber stripper	1 PC
6	Cable stripper	1 PC
7	Spare electrode	1 PAIR
8	Cooling tray	1 PC
9	Cleanup tools	1 SET
10	Multi-functional carrying case	1 PC
11	Certificate of quality	1 PC
12	User manual	1 PC

Note: Information will conduct the necessary updates, the contents of this document are subject to change without notice.