

OFS-60 Optical Fiber Fusion Splicer

The TELKOLINK OFS-60 series adopt high-speed image processing technology and special precision-positioning technology, automatically finish the whole process of fiber fusion in 10 seconds typically, LCD monitor displays all steps of fiber fusion clear at a glance.

Widely used for SM and MM Quartz Fiber with diameter 125 μ m, coating layer diameter 0.2~1.5mm and bare fiber length 16mm more or less.

Ideal tools for construction and maintenance of fiber and cable in both field and laboratory applications.

Description

- *Both X and Y axis display*
- *Large multiple & visible fiber core*
- *Turn-over display screen to use conveniently*
- *Inner light to set fiber at night*
- *Auto check end-face of fiber*
- *Auto calculate splicing loss*
- *Auto select suitable fusion program*
- *Small bulk and light weight & alternating /Direct Current available*
- *Screen menu for simple operation*
- *Concave weatherproof cover & Max. wind velocity of 15m/s*



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Technical Specifications

| Model | OFS-60 |
|-------------------------------------|---|
| Applicable Fibers | SM,MM,DS,NZDS |
| Cladding Diameter | 80-150µm |
| Coating Diameter | 100-1000µm |
| Fiber Cleaved Length | 10mm with coating diameter of 250µm or less. 16mm with coating diameter of 250 to 1000µm. |
| Actual Average Splice Loss | SM:0.02dB;MM:0.01dB;DS,NZDS:0.04dB |
| Splice Time | Typical 10sec. with standard SM fiber. |
| Return Loss | ≥60dB |
| Splicing Modes | 8 user programmable modes and up to 10 modes for reference(factory predetermined setting) and 2 auto-testing modes. |
| Splice Loss Estimate | Available |
| Storage of Splice Result | The last 5000 results to be stored in the internal memory. |
| Fiber Display | X/Y simultaneously always |
| Magnification | 200x |
| Viewing Method | Two CMOS cameras and 5 inch color LCD monitor. |
| Operating Condition | 0 to 5000m above sea level,0 to 95%RH and -10 to 50°C respectively. |
| Mechanical Proof Test | 2N(standard) |
| Tube Heat Time | Typical 60sec. with standard 60mm protection sleeve. |
| Applicable Protection Sleeve Length | 60mm, 40mm and a series of micro sleeves. |
| No. of splice/heating with battery | Typical 50 cycles with OFS-1-26L7 |
| Power supply | Three method: 1,Use power supply model OFS-1-26L7(inner li-ion battery ,100-240V AC adapter, work and charge simultaneity); 2,Use power supply model OFS-1-26AC (100-240V AC adapter); 3,Outer power supply adapter, car cigarette lighter or storage cell(10.5-14.5V,4A) |
| Terminals | RS-232,VIDEO |
| Wind protection | Max. wind velocity of 15m/s. |
| General Specifications | |
| Operating Temp. | -10°C ~ 50°C |
| Storage Temp. | -40°C ~ 60°C |
| Weight | 10.1 lbs (3.7kg) |
| Dimension (H x W x T) | 7.3×7.1×6.8inch (185×180×172mm) |



Ordering information

Standard Configuration:

Instrument, Power supply module(OFS-1-26L7), AC cord, Spare electrodes(one pair), Cooling tray, Screen cover, Carrying case, Warranty card, User's manual

Optional Accessory:

| Part Description | Part Number | Part Description | Part Number |
|-----------------------------|-------------------|--------------------|---------------|
| Electrodes | P/N:AC-OFS-E | V-groove(coupler) | P/N:AC-OFS-V |
| Fiber cleaver | P/N:AC-OFS-21 | Blade | P/N:AC-OFS-B |
| Multi-function Power Supply | P/N:AC-OFS-NFA-20 | Protection sleeves | P/N:AC-OFS-PS |

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