

### DESCRIPTION

PHSPHS600 is a 6 motor core alignment featured. It delivers exceptionally low splice loss, with an average of below 0.02dB . This splicer comes with removable universal fiber holders that can accommodate variety of fiber splicing, including 250µm, 900µm, patch cords, and FTTx drop cable. Additionally, it includes an Splice on connector holder and built-in thermometer/barometer which help to optimized the splice quality accordingly to environment operating condition.

The PHS600 is designed for rapid operation, with a quick 7-second startup, a 9-second splicing time, and an automatic heating function. These characteristics make it an ideal choice for high-volume core network splicing projects where low splice loss is crucial.



### FEATURES

- Compact and Light Weight : 1.9KG inclusive battery
- Precise Splicing: 6-motor core alignment ensures high-quality splicing
- Compatible with Multiple Fiber Types: Works with SMF (G.652), MMF (G.651), DSF (G.653), NZ-DSF (G.655), BIF (G.657), and EDF
- Versatile multi-purpose fiber holder for splicing 250um, 900um, 2mm, 3mm & Drop Cable
- Advanced Features: Automatic fiber end face quality inspection, arc position adjustment, splice loss calculation, and temperature/pressure compensation
- Splicing time : 9s , Heating time : 25s
- Arc Management: Automatic arc optimization and a counter to indicate when to replace electrodes
- Support Auto splice protection sleeve heating upon closing heat chamber lid
- Precision Alignment: Dual V-groove ensures perfect fiber alignment
- Clear Display: X/Y and X+Y display for detailed fiber core images
- Battery Features: Quick-mount battery with power indicator, battery dock is dust and splash-proof
- Built-in Illumination: Provides visibility in dark environments
- Durable Design: Resistant to wind, dust, rain, and shock
- User friendly graphical user interface and support multi-language
- Secure Operation: Includes password protection

### SPECIFICATIONS

|                                   |   |
|-----------------------------------|---|
| <b>Supported Splice Profile</b>   | SMF (G.652), MMF (G.651), DSF (G.653), NZ-DSF (G.655), BIF (G.657), EDF                 |
| <b>Splicing Loss</b>              | MMF ≤ 0.01dB (Typical) , SMF/BIF ≤ 0.02dB (Typical)<br>DSF/NZDSF/EDF ≤ 0.04dB (Typical) |
| <b>Return Loss</b>                | >60dB   |
| <b>Splicing Mode</b>              | Auto and manual splicing  |
| <b>Fiber Alignment</b>            | 6 motors core alignment   |
| <b>Splicing Time</b>              | ≤9s   |
| <b>Heating Time</b>               | ≤25s, Adjustable  |
| <b>Cleave Length</b>              | ≤16mm, Minimum Support 8mm  |
| <b>Fiber Image/ Magnification</b> | 300x (X or Y)   |
| <b>Proof Test</b>                 | ≥2N   |
| <b>Heat Shrinkable Sleeve</b>     | 40mm - 60mm   |
| <b>Electrodes Lifespan</b>        | 5000 Splices  |
| <b>Arc Calibration</b>            | Yes   |
| <b>Fiber View</b>                 | X, Y, X+Y   |
| <b>User Interface</b>             | Graphical interface, multiple language support  |
| <b>Splice Result</b>              | Automated estimate splice loss  |
| <b>Splice Data Storage</b>        | 5000 splice records (CSV format), 100 screenshots                                       |
| <b>Fiber Diameter</b>             | Cladding: 80~150µm, Coating: 100~1000µm   |
| <b>Start-up Time</b>              | 7s  |

Note : Specifications are subject to change without notice

# PHS600 FUSION SPLICER

## 6 Motor Core Alignment



|                     |  |
|---------------------|--|
| Charging Time       | ≤4 Hours                                     |
| Battery Life        | ≥200 Splicing and Heating                    |
| Power Supply        | 220V±10%, 50Hz; Rechargeable Lithium Battery |
| Weight              | 1.9Kg (With Battery)                         |
| Dimension (L*W*H)   | 125mm (L) x 125mm (W) x 135mm (H)            |
| Work Temperature    | -20°C ~ +55°C                                |
| Storage Temperature | -40°C ~ +70°C                                |
| Humidity            | ≤95% (Non-condensing)                        |
| Altitude            | 0 m ~ 5000 m                                 |
| Wind Speed          | ≤15 m/s                                      |

### STANDARD ACCESSORIES

|   |   |   |   |  |
|---|---|---|---|--|
| <p>Fusion Splicer</p>                      | <p>Single Fiber Cleaver</p> <p><i>Economical</i> (OFC-48K-C)      <i>Basic</i> (OFC-48K-03-C)      <i>Advance</i> (OFC-48K-06-C)</p>  |   |   | <p>Carrying Case</p>  |
| <p>Fiber Jacket Remover (FOA-00015C)</p>  | <p>Spare Electrodes (ABX-ELCT-PHS600)</p>   | <p>Li Battery (ABX-BATT-PHS600)</p>  | <p>Power Adaptor (ABX-CHRG-PHS600)</p>  |  |
| <p>USB Cable</p>                         | <p>Cooling Tray (ABX-CTRAY-PHS600)</p>   | <p>Quick Guide</p>                  |   |  |

### ORDERING INFORMATION

| Part No   | Description   |
|-----------|---|
| PHS600    | Fusion Splicer Standard Package with Core Alignment 6 Motor (without Cleaver and Fiber Jacket Remover)                            |
| PHS600-01 | Fusion Splicer Standard Package with Core Alignment 6 Motor inclusive of Economical Single Fiber Cleaver and Fiber Jacket Remover |
| PHS600-02 | Fusion Splicer Standard Package with Core Alignment 6 Motor inclusive of Basic Single Fiber Cleaver and Fiber Jacket Remover      |
| PHS600-03 | Fusion Splicer Standard Package with Core Alignment 6 Motor inclusive of Advance Single Fiber Cleaver and Fiber Jacket Remover    |

### OPTIONAL ACCESSORIES

| Part No         | Description   |
|-----------------|---|
| AX-48K-CB       | Replacement Blade for Cleaver OFC-48K-C                     |
| AX-48K-CB-03-06 | Replacement Blade for Cleaver OFC-48K-03-C and OFC-48K-06-C |
| ABX-ELCT-PHS600 | Electrode for PHS600 Fusion Splicer                         |
| FOA-00029       | Fiber Optics Kevlar Cutter                                  |

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