

## Active V-groove Fusion Splicer

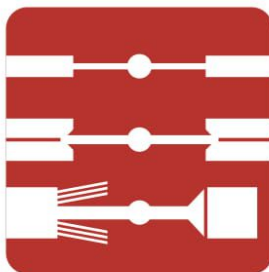
# T-400S



## Fast, Versatile, Easy



Carry out your mission as fast as possible



All the FTTx fiber splices in one machine



Simple operation by brand-new user interface



## Specifications

| Items                      | T-400S   |   |
|----------------------------|--|---|
| Optical fiber requirements | Material   | Silica glass  |
|                            | Fiber count / Profile types  | Single / SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657)                             |
|                            | Fiber diameter   | Cladding diameter : 125μm, Coating diameter : Up to 3mm by multi clamp                            |
|                            | Cleave length  | 5 to 16mm for single fiber, 8mm for drop cable  |
| Standard performance       | Splice loss (typical)*1  | SMF : 0.03dB, MMF : 0.01dB, DSF : 0.05dB, NZDSF : 0.05dB  |
|                            | Return loss (typical)  | 60dB or greater   |
|                            | Splice time (typical)  | 7sec (SM G652 Quick Mode)   |
|                            | Heating time (typical)   | 24sec (FPS-61-2.6 sleeve, S60mm 0.25 Mode)  |
|                            | Splice & Heat cycles per battery full charge*2   | Approx. 200 (BU-15)   |
|                            | Fiber view & magnification   | 2 CMOS cameras observation, 200X Max.   |
|                            | Proof test   | 1.96 - 2.09N  |
| Programs                   | Applicable protection sleeve   | 60mm, 40mm & Sumitomo Nano sleeves  |
|                            | Splice programs  | Max. 150, 11 are pre-optimised, 100 editable by user (39 to be pre-optimised)                     |
| Functions                  | Heating programs   | Max. 50, 11 are pre-optimised, 20 editable by user (19 to be pre-optimised)                       |
|                            | Splice image capture / Splice data storage   | 100 images / 10,000 splice data (internal memory only)  |
|                            | Auto-start   | Splice/Heating  |
|                            | Multi clamp  | Provided, applicable for 250 & 900μm coated fiber, 2 & 3mm jacket cord and rectangular drop cable |
|                            | Heater clamp for splice on connector   | Provided  |
| Size / Weight              | Automatic arc calibration  | Automatically compensates for environmental condition changes                                     |
|                            | Size   | 129(W) x 195(D) x 99(H) mm (without protrusion)   |
|                            | Weight   | 1.2kg (without Battery), 1.3kg (with Battery BU-15)   |
| Terminals                  | Monitor  | 4.3" color LCD display  |
|                            | USB port   | USB 2.0 (mini-B type)   |
| Power supply               | AC input   | AC 100 - 240V, 50/60Hz (ADC-15)   |
|                            | DC input   | DC 10 - 15V   |
|                            | Battery pack   | Li-ion 10.8V, 35.64Wh (BU-15)   |
| Operating condition        | Altitude : 0 - 5,000m, Temperature : -10 - +50°C, Humidity : 0 - 95%RH (non-condensing), Wind velocity : up to 15m/sec |   |
| Storage condition          | Temperature : -40 - +80°C, Humidity : 0 - 95%RH (non-condensing), Battery : -20 - +30°C (long term)                    |   |
| Electrode life *3          | 6,000 arc discharges   |   |
| Software updates           | Internet   |   |

\*1 : Average value of the final inspection in room temperature with Sumitomo identical fiber. Measured by cut-back method relevant to ITU-T and IEC standards.

\*2 : Splice & Heat cycles may vary depending on the battery status and the operating environment.

\*3 : Achieved in lab condition. Electrode life may vary depending on the operating environment.

## Environmental Durability\*

|                  | Test details  |
|------------------|---|
| Shock resistance | Drop from 76cm on bottom face only  |
| Water resistance | Equivalent to IPX1<br>Operates normally after being exposed to vertically dripping water at 1mm/min for 10 min            |
| Dust resistance  | Equivalent to IP5x<br>Operates normally after 8 hours in a test chamber with circulating dust particles smaller than 75μm |

\*Confirms the battery operation in tests carried out by Sumitomo. Does not guarantee that the product is free of faults or damage.

## Basic Accessories

| Part name             | Part No.     | Qty. |
|-----------------------|--------------|------|
| AC adapter            | ADC-15       | 1 pc |
| AC power cord         | PC-AC<X>*-2P | 1 pc |
| Battery pack          | BU-15        | 1 pc |
| Quick reference guide | —            | 1 pc |
| Carrying case         | CC-15        | 1 pc |

\*X=2(USA), 3(EU), 4(JP), 6(AUS), 8(CHINA)

At least, the above basic accessories come with splicer main body. Some additional accessories may be or may not be included as a splicer standard kit contents. The standard splicer kit contents varies in each region/country. Please ask details to your nearest distributors.

## Accessories

|                         | Part name               | Part No.                                 | Remarks   |
|-------------------------|-------------------------|--|---|
| Accessories for Splicer | Fiber holder            | FHS-025/LB5<br>FHS-SOC                   | For 0.9mm loose buffered single fiber<br>Connector holder   |
|                         | Battery pack            | BU-15                                    | Li-ion 10.8V, 35.64Wh   |
|                         | Car battery cable       | PC-V25                                   | For car battery operation<br>(cigarette socket type)  |
|                         | V-groove cleaning brush | VGT-2                                    | Brush for cleaning V-groove   |
|                         | Electrode               | ER-10                                    | —   |
|                         | Work table              | WT-15                                    | Handy table with neck strap   |
| Accessories             | Fiber cleaver           | FC-5S<br>FC-6S-C<br>FC-6RS-C             | Table-top cleaver<br>Table-top high precision cleaver<br>Automatic blade rotation cleaver   |
|                         | Handheld fiber cleaver  | FC-8R-FC<br>FC-8R-F                      | Automatic blade rotation cleaver with counter<br>Automatic blade rotation cleaver (without counter)   |
|                         | Jacket remover          | JR-M03                                   | Jacket remover for single fiber   |
|                         | Loose tube cutter       | LTC-01                                   | —   |
|                         | Alcohol dispenser       | HR-3                                     | —   |
|                         | Fiber protection sleeve | FPS-1<br>FPS-40<br>FPS-61-2.6<br>FPS-D60 | 60mm, diameter after shrink approx. 3.2mm<br>40mm, diameter after shrink approx. 3.2mm<br>61mm, diameter after shrink approx. 2.6mm<br>60mm, For drop and indoor cables |



Carrying case  
CC-15



Table-top cleaver  
FC-5S



Battery pack  
BU-15



AC adapter  
ADC-15



Connector holder  
FHS-SOC



Electrode  
ER-10

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