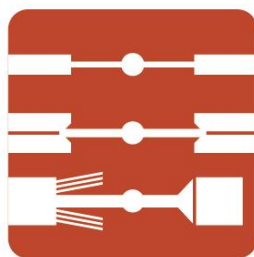


**Active V-groove Fusion Splicer****T-400S****Fast, Versatile, Easy**

**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)
	Monitor	4.3" color LCD display
Terminals	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
	Operates normally after being exposed to vertically dripping water at 1mm/min for 10 min
Dust resistance	Equivalent to IP5x 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 FHS-SOC	For 0.9mm loose buffered single fiber Connector holder
	Battery pack	BU-15	Li-ion 10.8V, 35.64Wh
	Car battery cable	PC-V25	For car battery operation (cigarette socket type)
	V-groove cleaning brush	VG-2	Brush for cleaning V-groove
	Electrode	ER-10	—
	Work table	WT-15	Handy table with neck strap
Accessories	Fiber cleaver	FC-5S	Table-top cleaver
		FC-6S-C	Table-top high precision cleaver
		FC-6RS-C	Automatic blade rotation cleaver
	Handheld fiber cleaver	FC-8R-FC	Automatic blade rotation cleaver with counter
		FC-8R-F	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	60mm, diameter after shrink approx. 3.2mm
		FPS-40	40mm, diameter after shrink approx. 3.2mm
FPS-61-2.6		61mm, diameter after shrink approx. 2.6mm	
FPS-D60		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

# SUMITOMO ELECTRIC INDUSTRIES, LTD.

**Tokyo (Japan)**  
**Sumitomo Electric Industries, Ltd.**  
<http://global-sei.com/sumitomo-electric-splitters>

**Hong Kong**  
**Sumitomo Electric Asia, Ltd.**  
TEL : +852-2576-0080

**Gurgaon (India)**  
**SEI Trading India Pvt. Ltd.**  
TEL : +91-124-4577470

**Yangon (Myanmar)**  
**Sumitomo Electric (Thailand) Ltd.**  
**Yangon Branch**  
TEL : +95-97-8820-5567

**London (U.K.)**  
**Sumitomo Electric Europe Ltd.**  
TEL : +44-208-953-8118

**Singapore**  
**Sumitomo Electric Asia Pacific Pte. Ltd.**  
TEL : +65-6261-3388

**Dubai (U.A.E.)**  
**Middle east office**  
TEL : +971-4-701-7338

**Melbourne (Australia)**  
**SWS Australia Pty. Ltd.**  
TEL : +61-3-8401-2800

**North Carolina (U.S.A)**  
**Sumitomo Electric Lightwave Corp.**  
TEL : +1-919-541-8100

**Bangkok (Thailand)**  
**Sumitomo Electric (Thailand) Ltd.**  
TEL : +66-2-260-7231~5

**Manila (Philippines)**  
**SEI (Philippines) Incorporated**  
TEL : +63-2-811-2755~56

**São Paulo (Brazil)**  
**SEI Brasil Soluções Ópticas Ltda**  
TEL : +55-15-3416-7100

Please contact us Mail to : fs-inquiry-sml@list.sei.jp