SUMITOMO ELECTRIC

Active Clad Alignment 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

SUMITOMO ELECTRIC GROUP

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
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)	6sec (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
	Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves
Programs	Splice programs	Max. 150, 12 are pre-optimised, 100 editable by user (38 to be pre-optimised)
	Heating programs	Max. 50, 12 are pre-optimised, 20 editable by user (18 to be pre-optimised)
Functions	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
	Automatic arc calibration	Automatically compensates for environmental condition changes
Size / Weight	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

*Splicer operation after shock, water or dust tests, was confirmed under battery power, by Sumitomo.
Does not guarantee the product will not be damaged by these conditions.

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), 5(UK/HK), 6(AUS), 8(CHINA), 9(INDIA)
Items listed in Basic Accessories are always included with the splicer body. Overall kit content may vary regionally. Please check with your local authorized reseller to confirm kit content in your region.

Accessories

	Part name	Part No.	Remarks
Accessories for Splicer	Fiber holder	FHS-025/LB5	For 0.9mm loose buffered single fiber
		FHS-SOC	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	VGT-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

Work table
WT-15

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■ Specifications are subject to change without prior notice.

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