

T-502S

Soudeuse optique à alignement actif connectée



NanoTune™
Enhanced splice experience



SumiCloud™



Compacte et légère
1,1 kg



Rapide
Soudure : 6 s
Chauffe du four : 12 s



**Analyse du coeur
à chaud**



**Analyse des données
et entretien préventif**



Préparation sans encombre

La T-502S dispose d'un nouveau plateau de travail vous permettant de raccorder encore plus vite



Expérience de soudure renforcée

NanoTune réalise des épissures de haute précision



Gestion des épissures simplifiée

SumiCloud facilite le travail et aide à l'entretien de la soudeuse

Spécifications

Items	T-502S	
Optical fiber requirements	Material	Silica glass
	Fiber count / Profiles types	Single / SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657)
	Fiber diameter	Cladding diameter : 125 µm, Coating diameter : 250µm to 3mm by multi clamp
	Cleave length	5 to 16mm for single fiber, 8mm for drop cable
	Splice loss (typical)*2	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)
Standard performance	Heating time (typical)	12sec (FPS-61-2.6 sleeve, S60mm 0.25 Quick Mode)
	Splice & heat cycles per battery full charge*3	Approx. 250 (BU-17)
	Fiber view & magnification	2 CMOS cameras observation, 180X (zoom: 370X) for X or Y single axis view
	Proof test	1.96 - 2.09N
Programs	Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves
	Splice programs	Max. 300, 18 are pre-optimised, 282 editable by user
	Heating programs	Max. 100, 27 are pre-optimised, 73 editable by user
	Splice image capture / Splice data storage	200 images / 10,000 splice data (internal memory only) 50,200 / 20,000 (With 16GB SD card)
Functions	Multi clamp	Applicable for 250 & 900µm coated fiber, 900µm loose buffer fiber, 2 & 3mm jacket cord and rectangular drop cable
	Heater clamp for splice on connector	Provided
	Auto-start	Splice / Heating
	Automatic fiber identification	SMF / MMF
	Automatic arc calibration	Automatically compensates for environmental condition changes
	Core loss estimation	Provided, HCA : Hot Core Analyzing
	Wireless LAN connectivity (option)*4	Provided
Size / weight	Onboard user training video	Provided
	Size	126(W) x 154(D) x 83(H) mm (without protrusion)
	Weight	0.9kg (without Battery), 1.1kg (with Battery BU-17)
Terminals	Monitor	4.3 inch color LCD display with capacitive touch screen
	USB port	USB 2.0 (mini-B type)
Power supply	Storage media	SD / SDHC memory card Max32GB
	AC input	AC 100 - 240V, 50 / 60Hz (ADC-15)
	DC input	DC 10 -15V
	Battery pack	Li-ion 10.8V, 4,560mAh (BU-17)
Operation 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 *5	6,000 arc discharges	
Software updates	Internet	
Data management	Can be stored, edited and analyzed by dedicated PC software	

*1,4 : SumiCloud availability / wireless LAN connectivity depends on region. More details: <https://global-sei.com/sumitomo-electric-splicers/products/sumicloud/>

* 2 : Average value of the final inspection in room temperature with Sumitomo identical fibre. Measured by eut-back method relevant to ITU-T and IEC standards.

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

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

Environmental Durability*

Test details	T-502S
Shock resistance	Drop from 76cm on 5 faces (excluding top face)
Rain resistance	Equivalent IPX2
Dust resistance	Equivalent IP5x

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

Standard kit contents

Part name	Part N°	Qty	Part name	Part N°	Qty
AC adapter	ADC-15	1	Carrying case	CC-17	1
AC power cord	PC-AC<*>-2P	1	Working tray	WT-17	1
Battery pack	BU-17	1	Shoulder belt	-	1
Spare electrode	ER-17	1 pair	USB cable	-	1
Quick reference guide	-	1			

*X;2(USA), 3(EU), 4(JP), 5(UK), 6(AUS), 7(South Africa)

Items listed in Standard Kit Contents are always included with the splicer body.

Overall kit content may vary regionally. Please check with your local authorised reseller to confirm kit content in your region.

Optionnals accessories

	Part name	Part n°	Remarks
Accessories for splicer	Sumicloud card	WLSD-0416	For SumiCloud® connection
	Fiber holder	FHS-025 / LBS	Connector holder
	Transfer clamp	CLP-201	Transferring drop cable on working tray
	Battery pack	BU-17	Li-ion 10.8V 4.560 mAh
	Battery charger	BC-17	For BU-17
	Car battery cable	PC-V25	For car battery operation (cigaret socket type)
	V-Groove cleaning brush	VGT-2	Brush for cleaning V-groove
	Electrode	ER-17	-
	Cooling tray	FCT-17	-
	Fiber cleaver	FC-6S-C	Table-top high precision cleaver
Accessories		FC-6RS-C	Automatic blade rotation cleaver
	Hand held fiber cleaver	FC-8R-FC	Automatic blade rotatop, cleaver with counter
		FC-8R-F	Automatic blade rotation cleaver (no counter)
	Jacket remover	JR-M03	Jacket remover for single fiber
	Lose tube cutter	LTC-01	-
	Alcohol dispenser	ASB-17	-
	Fiber protection sleeve	FPS-1	60 mm diameter after shring approx. 3.2 mm
	FPS-40	40 mm diameter after shring approx. 3.2 mm	
	FPS-61-2.6	61 mm diameter after shring approx. 3.2 mm	