



High Definition Core Aligning fusion splicer

TYPE-82C+

Powered by







Dependable

Splicing 5s/Heating 8s/Splice loss 0.01dB



Preventive Maintenance



Dual speed high heating



Proven field toughness



Long life battery

Specifications					
Items		TYPE-82C+			
	Material	Silica glass			
Optical fiber	Fiber count / Profile types	Single / SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657), CSF(G.654), EDF			
requirements	Fiber diameter	Cladding diameter: 80 ~ 150µm, Coating diameter: 100 ~ 1,000µm			
	Cleave length	5 ~ 16mm with coating clamp			
	Splice loss (typical)*1	SMF: 0.01dB, MMF: 0.01dB, DSF: 0.03dB, NZDSF: 0.03dB			
	Return loss (typical)	60dB or greater			
	Splice time (typical)	5sec(SM G652 Quick Mode), 7sec(SM G652 Std. Mode), 7sec(Auto Mode)			
Standard	Heating time (typical)	8sec (FPS-61-2.6 sleeve, S60mm 0.25 Quick Mode)			
performance	Splice & Heat cycles per battery full charge*2	Approx. 320 (BU-16)			
•	Fiber view & magnification	2 CMOS cameras observation, 380X (zoom: 760X) for X or Y single axis view, 270X for both X & Y dual axis view			
	Proof test	1.96 ~ 2.09N			
	Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves			
D	Splice programs	Max. 300, 74 are pre-optimsed, 226 editable by user			
Programs	Heating programs	Max. 100, 27 are pre-optimsed, 73 editable by user			
	Splice image capture / Splice data storage	200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 8GB SD card)			
	Attenuation splicing	0.1dB to 15dB in 0.1dB increments			
	Universal clamps	Provided, 200µm, 900µm tight & loose buffer fiber			
	Reversible coating clamps	Provided			
	Dual automatic independent ovens	Provided			
Functions	User-selectable oven clamp operation	Provided			
	Onboard user training video	Provided			
	Automatic fiber identification	SMF / MMF / DSF / NZDSF / BIF / Other			
	Automatic arc calibration	Automatically compensates for environmental condition changes			
	Display of remaining Splice & Heat cycles	Provided (Battery mode)			
	Wireless LAN connectivity (Option)*3	Provided			
	Size	128(W) x 154(D) x 130(H) mm (without anti-shock rubber)			
Size / Weight	Weight	1.9kg (without Battery) / 2.2kg (with Battery BU-16)			
	Monitor	5.0" touch screen color LCD display			
	DC output	DC 12V (for JR-6+)			
Terminals	USB port	USB 2.0 (mini-B type)			
	Storage media	SD / SDHC memory card MAX32GB			
	AC input	AC 100 ~ 240V, 50/60Hz (ADC-16)			
Power supply	DC input	DC 10 ~ 15V			
	Battery pack	Li-ion 10.8V, 6,400mAh (BU-16)			
Operating condition		Altitude: 0 ~ 6,000m, Temperature: -10 ~ +50°C, Humidity: 0 ~ 95% (non-condensing), Wind velocity: up to 15m/sec			
Storage condition		Temperature: -40 - +80°C, Humidity: 0 - 95% (non-condensing), Battery: -20 - +30°C (long term)			
Electrode life *4		6,000 arc discharges			
Software updates		Internet			
Data management		Can be stored, edited and analyzed by dedicated PC software			

- *1 : Average value of the final inspection in room temperature with Sumitomo identical fiber. Measured by Cut-Dack Highlight Color and The Splice & Heat cycles may vary depending on the battery status and the operating environment.

 3 : Wireless LAN connectivity is not available in all countries. For more details, please refer to our Web site. https://global-sei.com/sumitomo-electric-splicers/asia/products/sumicloud/

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

Environmental Durability*				
	Test details			
Shock resistance	Drop from 76cm on 5 faces (excluding top face)			
Impact resistance	Equivalent to IKO7 on LCD monitor (Protected against 2J impact, it is equivalent to a 500g force from 40cm)			
Water resistance	Equivalent to IPx2 (Operates normally after being exposed to water dripping at 3mm/min. for at least 2.5 min on each of 4 surfaces tilted at 15°)			
Dust resistance	Equivalent to IP5x (Operates normally after 8 hours in a test chamber with circulating dust particles smaller than 75 µm)			

*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.

Basic Accessories				
Part name	Part No.	Qty.		
AC adapter	ADC-16 series	1 pc		
AC power cord	PC-AC <x>*</x>	1 pc		
Cooling tray	_	1 pc		
Spare electrode	ER-10	1 pair		
Quick reference guide	_	1 pc		
Carrying case with worktable	CC-82	1 pc		
Hand strap	_	1 pc		
LISP cable	_	1 nc		

*X=2(USA), 3(EU), 4(JP), 5(UK/HK), 8(CHINA), 9(INDIA), 10(BRAZIL) Items listed in Basic Accessories 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.

Accessories					
	Part name	Part No.	Remarks		
	SumiCloud Card	WLSD series	For SumiCloud™ connection		
N		FHS-025	For Φ0.25mm single fiber		
) C	Fiber holder	FHS-09	For Φ0.9mm single fiber		
SS		FHS-025/LB5	For 0.9mm loose buffered single fiber		
Accessories		FHD-1	For drop/indoor cable (Cable size : typical 2.0 x 3.1 or 2.6mm)		
ie.		1SM-ST	For indoor cable (Cable size : typical 1.6 x 2.0mm)		
for		FHC-3	For 3mm cable		
	Battery pack	BU-16	Li-ion 6,400mAh		
9	Battery charger	BC-16	_		
Splicer	Car battery cable	PCV-16	For car battery operation (cigarette socket type)		
욕 [V-groove cleaning brush	VGT-2	Brush for cleaning V-groove		
	Electrode	ER-10	_		
	Handheld fiber	FC-8R-FC	Automatic blade rotation cleaver with cleave counter		
	cleaver	FC-8R-F	Automatic blade rotation cleaver		
D	Fiber cleaver	FC-6S-C	Table-top high precision cleaver		
5		FC-6RS-C	Automatic blade rotation cleaver		
Accessories	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. φ3.2mm		
		FPS-40	40mm, diameter after shrink approx. φ3.2mm		
	5,5575	FPS-61-2.6	61mm, diameter after shrink approx. φ2.6mm		



Carrying case with worktable CC-82



Handy cleaver FC-8R series



Table-top cleaver FC-6 / FC-6R series



Jacket remover JR-M03



Compatible with I vnx-CustomFit[™] Splice-on Connector



Electrode **ER-10**

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