

Direct Core Monitoring Fusion Splicer

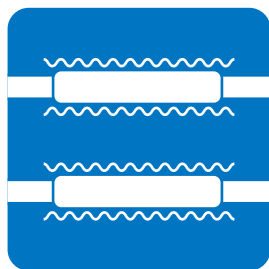
TYPE-81C



Rapid, Elite, Connected

Faster Splicing 6sec / Heating 14sec

Splicing loss SMF 0.01dB(Typical)



Fully Optimized
Two Independent
Heaters for
High Productivity



Touch Screen
Control Panel



Durable & Rugged

Specifications

Items		TYPE-81C
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), EDF
	Fiber diameter	Cladding diameter : 80 - 150μm, Coating diameter : 100 - 1,000μm
Standard performance	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)	6sec(SM G652 Quick Mode), 7sec(SM G652 Std. Mode), 8sec(Auto Mode)
	Heating time (typical)	14sec (FPS-61-2.6 sleeve, Slim 60mm Quick Mode)
	Splice & Heat cycles per battery full charge*2	Approx. 230 (BU-11)
	Fiber view & magnification	2 CMOS cameras observation, 320X (zoom : 700X) for X or Y single axis view, 88X for both X & Y dual axis view
Programs	Proof test	1.96 - 2.09N
	Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves
Functions	Splice programs	Max. 300, 74 are pre-optimised, 226 editable by user
	Heating programs	Max. 100, 24 are pre-optimised, 76 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, 250μm, 900μm tight & loose buffer fiber
	Reversible coating clamps	Provided
	Dual automatic independent heaters	Provided
	User-selectable heater clamp operation	Provided
	Onboard user training video	Provided
	Automatic fiber identification	SMF / MMF / DSF / NZDSF / BIF / Other
Size / Weight	Automatic arc calibration	Automatically compensates for environmental condition changes
	Display of remaining Splice & Heat cycles	Provided (Battery mode)
Terminals	Size	120(W) x 154(D) x 130(H) mm (without anti-shock rubber)
	Weight	1.8kg (without Battery) / 2.0kg (with Battery BU-11S) / 2.1kg (with Battery BU-11)
Power supply	Monitor	4.1" touch screen color LCD display
	DC output	DC 12V (for JR-6)
Operating condition	USB port	USB 2.0 (mini-B type)
	Storage media	SD / SDHC memory card MAX32GB
Storage condition	AC input	AC 100 - 240V, 50/60Hz (ADC-I430S)
	DC input	DC 10 - 15V
Electrode life *3	Battery pack	Li-ion 11.1V, 2,300mAh (BU-11S) / Li-ion 11.1V, 4,600mAh (BU-11)
	Software updates	Internet
Data management	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 *3	3,000 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-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 : Electrode life may vary depending on the operating environment.

Environmental Durability*

Shock resistance	Test details
Shock resistance	Drop from 76cm on 5 faces (excluding top face)
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 dust chamber containing dust of particle size 75μm or below)

* 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-I430S	1 pc
AC power cord	PC-AC<X>*	1 pc
Cooling tray	—	1 pc
Spare electrode	ER-10	1 pair
Operating CD manual	—	1 pc
Quick reference guide	—	1 pc
Carrying case with worktable	CC-81	1 pc
Hand strap	—	1 pc
USB cable	—	1 pc

*X=2(USA), 3(EU), 5(UK/HK), 8(CHINA), 9(INDIA)

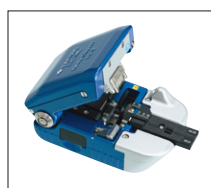
At least, the above basic accessories come with splicer main body. Some additional accessories may be or may not be included as a splicer standard kit contents. The standard splicer kit contents varies in each region/ country. Please ask details to your nearest distributors.



Carrying case with worktable
CC-81



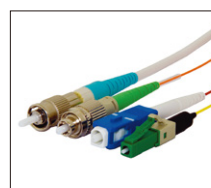
Table-top cleaver
FC-6 / FC-6R series



Handy cleaver
FC-7 / FC-7R series



Jacket remover
JR-M03



Available for
Lynx-Custom Fit™
Splice-On Connector



Electrode
ER-10

Accessories

Part name	Part No.	Remarks
Fiber holder	FHS-025	For φ0.25mm single fiber
	FHS-09	For φ0.9mm single fiber
	FHS-025/LB5	For 0.9mm loose buffered single fiber
	FHD-1	For drop/indoor cable(Cable size : typical 2.0 x 3.1 or 2.6mm)
	1SM-ST	For indoor cable (Cable size : typical 1.6 x 2.0mm)
Battery pack	FHC-3	For 3mm cable
	BU-11/11S	Li-ion 4,600mAh BU-11, 2,300mAh BU-11S
Battery Charger	BC-11	—
Car battery cable	PCV-11	For car battery operation (cigarette socket type)
V-groove cleaning brush	VGT-2	Brush for cleaning V-groove
Electrode	ER-10	—
Handheld fiber cleaver	FC-7R-F	Automatic blade rotation cleaver
	FC-7M-F8	—
Fiber cleaver	FC-6S-C	Table-top high precision cleaver
	FC-6RS-C	Automatic blade rotation cleaver
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
	FPS-61-2.6	61mm, diameter after shrink approx. φ2.6mm

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