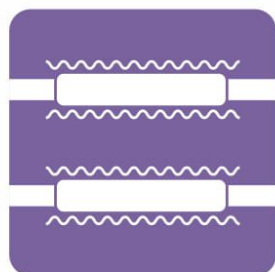


Mass fusion splicer
for up to 12 fiber ribbon

TYPE-81M12



**Industry only
dual independent heaters**



Two Independent
Heaters for
High Productivity



Touch Screen
Control Panel



Durable & Rugged

Specifications

Items	TYPE-81M12	
Optical fiber requirements	Material	Silica glass
	Profile types	SMF (G.652), MMF (G.651), DSF (G.653), NZDSF (G.655), BIF (G.657)
	Fiber count	1,2,4,5,6,8,10,12
	Cladding diameter	125 μm
	Coating diameter	Single fiber coating dia: 250 μm, 500 μm, 900 μm Ribbon fiber thickness: 280-400 μm
	Applicable cable	Drop cable (2.0mm×3.1 or 2.6mm), Indoor cable (2.0mm×1.6mm)
Standard performance	Cleave length	10mm
	Splice loss (typical) *1	SMF:0.05dB, MMF:0.02dB, DSF:0.08dB, NZDSF:0.08dB
	Splice time (typical)	9sec (with single SMF) 14sec (with 12C SMF)
	Heating time (typical)	Approx. 45 sec (with FPS-6 sleeve)
	Splice & heat cycles per battery full charge *2	Approx. 160 (with BU-11)
	Fiber view and magnification	2 CMOS cameras observation, 23X (zoom : 46X)
Programs	Proof test	1.96N -2.09N
	Splice programs	Max. 200
Functions	Heating programs	Max. 100
	Splice image capture / Splice data storage	64 images/10,000 splices
	Onboard user training video	Provided
	Auto-start	Splice/Heating
	Automatic arc calibration	Automatically compensates for environmental condition change
	Reversible fiber holder system	Provided
	Dual automatic independent heaters	Provided
	User-selectable heater clamp operation	Provided
	Display of remaining Splice & Heat cycles	Provided (Battery mode)
	Automatic fiber count detection	Provided
Size / Weight	Remote interactive maintenance	Provided
	Size	120 (W) x 154 (D) x 130 (H) mm (without anti-shock rubber)
	Weight	1.7kg (without Battery) / 1.9kg (with Battery BU-11S) / 2.0kg (with Battery BU-11)
Terminals	Monitor	4.1 inch color LCD monitor with touchscreen
	DC output	DC 12 V (for JR-6)
	USB port	USB2.0 mini-B
Power supply	Storage media	SD and SDHC
	AC input	100-240V, 50/60Hz
	DC input	10-15V, 4.5A
Operating condition	Battery pack	Li-ion 11.1V, 4,600mAh (BU-11)
	Storage condition	Altitude: 0 to 3,660 m, Temperature: -10°C to +50°C, Humidity: 0% to 95% (non-condensing), Wind velocity: up to 15 m/s
Electrode life *3	Temperature: -40°C to +80°C, Humidity: 0% to 95% (non-condensing), Battery: -20 - +30°C (long term)	
Software updates	1,500 arcs discharges	
Data management	Internet	
	Can be stored, edited and analyzed by dedicated PC software	

*1 : With Sumitomo identical fibers(in room temperature). 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*

Test details	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-1430 series	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



Supports bi-directional splicing operation



Drop cable splicing with fiber holder system



Handy cleaver FC-7 / FC-7R series



Hot jacket remover JR-6



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

Accessories

Part name	Part No.	Remarks	
Accessories for Splicer	FHS-025	0.25 mm single fiber	
	FHS-09	0.9 mm single fiber	
	FHD-1	For drop and indoor cables (single fiber)	
	FHC-3	3 mm cable	
	FHM-2	For 2-fiber ribbon	
	FHM-4	For 4-fiber ribbon	
	FHM-5	For 5-fiber ribbon	
	FHM-6	For 6-fiber ribbon	
	FHM-8	For 8-fiber ribbon	
	FHM-10	For 10-fiber ribbon	
	FHM-12	For 12-fiber ribbon	
	Battery pack	BU-11/11S	Li-ion 4,600mAh BU-11, 2,300mAh BU-11S
AC adapter	ADC-1430S	For TYPE-81 series and BC-11	
Car battery cable	PCV-11	For car battery operation (cigarette socket type)	
Electrodes	ER-10	—	
V-groove cleaning jig	VG-2	Brush for cleaning V-groove	
Battery charger	BC-11	Battery charger for BU-11S/11	
Fiber cleaver	FC-6RM-C	Fiber cleaver for single fiber and up to 12-fiber ribbon	
Handheld fiber cleaver	FC-7R-M/F	Handheld fiber cleaver for single fiber and up to 8-fiber ribbon	
Accessories	Jacket remover	JR-M03	Jacket remover for single fiber
		JR-6	Hot jacket remover for ribbon fiber
	Fiber protection sleeve	FPS-1	60 mm sleeve for single fiber
		FPS-40	40 mm sleeve for single fiber
		FPS-5	40 mm sleeve for single fiber and up to 8-fiber ribbon
		FPS-6	40 mm sleeve for single fiber and up to 12-fiber ribbon
		FPS-D60	60 mm sleeve for single-fiber drop, and indoor cables
Alcohol dispenser	HR-3	Alcohol dispenser	

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