Direct Core Monitoring Fusion Splicer



Ultra fast splicing in every environment

Specifications

Items		TYPE-81C		
	Material	Silica glass		
	Profile types	SMF (ITU-T G.652), MMF (ITU-T G.651), DSF (ITU-T G.653), NZDSF (ITU-T G.655), BIF (ITU-T G.657), EDF		
Optical fiber requirements	Fiber diameter	Cladding diameter: 80µm~150µm, Coating diameter: 100µm~1,000µm		
requirements	Applicable fiber or cable size	up to φ1,000μm	Drop cable (2.0x3.1mm), Indoor cable (1.6x2.0mm)	
	Cleave length	5~16mm	10mm	
	Splice loss (typical) *1	SMF: 0.02dB, MMF: 0.01dB,	DSF: 0.04dB, NZDSF: 0.04dB	
	Splicing cycle time (typical)	7sec. (Quick mode), 7.5sec. (SMF standard mode), 8sec. (Auto mode)		
Standard performance	Heating cycle time (typical)	28sec.		
·	Splice & Heat cycles	Approx. 200		
	Fiber view & magnification	Two CMOS cameras observation, 320X (zoom: 700X) for	X or Y single axis view, 88X for both X & Y dual axis view	
Programs	Splicing programs	Max	. 300	
riograms	Heating programs	Max. 100		
	Loss estimation		vided	
	Splice image capture / Splice data storage	64 images / 10,000 splice data		
	Proof test	1.96N (200gf)		
	Attenuation splicing	0.1dB to 15dB in 0.1dB increments		
	Universal clamps for 250µm, 900µm tight & loose buffer fiber	Provided		
Functions	Reversible coating clamps	Provided		
Tanonono	Dual automatic independent heaters	Provided (US patent 7,412,146)		
	User-selectable heater clamp operation Provide			
	Onboard user training video		Provided	
	Automatic arc calibration Automatically compensates for environmental condition changes			
	Arc test	Provided		
	Display of remaining Splice & Heat cycles	Provided (Battery mode)		
	Remote interactive maintenance		vided	
Size / Weight	Size		m (without anti-shock rubber)	
	Weight	1.8kg (without battery), 2.1kg (with battery)		
	Monitor		color LCD display	
	DC output		(for JR-6)	
Power supply	USB port	USB 2.0 (mini-B type)		
	Storage media	SD / SDHC memory card		
	AC input		60Hz (ADC-1430)	
	DC input	10∼15V Li-ion 11.1V, 4,600 mAh (BU-11)		
	Battery module			
Operating condition	Altitude 0~6,000m, Temperature -10~+50°C, Humidity 0~95% (non-condensing), Wind velocity up to 15m/s			
Storage condition	Temperature -40~+80°C, Humidity 0~95% (non-condensing), Battery -20~+30°C (long term)			
Electrode life	3,000 arc discharges ※3			

*1: When the fibers used are identical to Sumitomo's fibers. *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		
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 25µm or below)		

** Confirms the battery operation in tests carried out by Sumitomo. Does not guarantee that the product is free of faults or damage.

Standard Package

Part name	Part No.	Qty.
Main unit	TYPE-81C	1 pc
Battery module	BU-11	1 pc
Power supply module	ADC-1430	1 pc
Power cord	PC-AC <x></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

Optional Accessories

	Part name	Part No.	Remarks	
录	Car battery cable	PCV-11	for car battery operation (cigarette socket type)	
Optional for main	Battery Charger	BC-11		
nai.a	V-groove cleaning brush	VGT-1		
าน	Electorode	ER-10		
1 = 2	Fiber holder	FHS-025	for φ0.25mm single fiber	
SS		FHS-09	for φ0.9mm single fiber	
accessories		1SM-D	for drop cable (Cable size: typical 2.0 x 3.1mm)	
SS		1SM-ST	for indoor cable (Cable size: typical 1.6 x 2.0mm)	
	Handheld fiber cleaver	FC-7R-S	Cleave length 6~20mm (φ0.25mm), 10~20mm (φ0.9mm)	
		FC-7S	Cleave length 6~20mm (φ0.25mm), 10~20mm (φ0.9mm)	
	Fiber cleaver	FC-6S-C	Cleave length 5~16mm (φ0.25mm), 10mm (φ0.9mm)	
		FC-6S-5C	Cleave length 5~16mm (φ0.25mm & φ0.9mm)	
Other		FC-6RS-C	Cleave length 5~16mm (φ0.25mm), 10mm (φ0.9mm)	
	Jacket remover JR-M0		Jacket remover for single fiber	
ac	Alcohol dispenser	HR-3		
l eg	Fiber protection sleeve	FPS-1	60mm, sleeve diameter after shrink approx.φ3.2mm	
accessories		FPS-40	40mm, sleeve diameter after shrink approx.φ3.2mm	
		FPS-S-40	40mm, sleeve diameter after shrink approx.φ2.2mm	
		FPS-D60	for drop cable & indoor cable, 60mm, sleeve diameter after shrink approx.φ4.7mm	
		FPS-N4-X FPS-N9-X	Available for Sumitomo Nano sleeves for factory and optical component	



Carrying case with worktable



Supports bi-directional splicing operation



Drop cable splicing with fiber holder system



Available for Lynx-Custom Fit™ Splice-On Connector







Fiber cleaver FC-7 / FC-7R series FC-6 / FC-6R series

The production process of this product meets ISO 9001.(JQA Certificate Number:JQA-1135)

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