

Ribbon Fiber Fusion Splicer

s124 M4



Up to 4-fiber ribbon splicing

High speed splicing of 13 seconds

High speed heating of 14 seconds

Interchangeable V-groove system

Easy operation with touch panel and GUI

3 LED lights allow convenient loading of fibers in V-groove

Automatic Fiber offset correction function available

Wi-Fi connection allows wireless control and data management

■ Specifications

	SM (ITU-T G.652 / G.657A1 / G.657A2)
	MM (ITU-T G.651)
	DS (ITU-T G.653)
	NZD (ITU-T G.655)
	BIF (ITU-T G.657.A1/A2)
Fiber Count	Up to 4-fibers
Cladding diameter	125μm
Fiber coating diameter	Single fiber : 0.25mm, 0.9mm Ribbon fiber : Refer to Fiber Holder
Fiber cleaving length	10mm
Average splice loss ^{*2}	SM : 0.05dB MM : 0.03dB DS : 0.08dB NZD : 0.08dB BIF : 0.05dB
Typical splice time	4-fiber ribbon : 13sec. Single fiber : 13sec.
Typical heating time	4-fiber ribbon : 14sec. (S924, power mode) Single fiber : 13sec (S921, power mode)
Splice program	Max. 300
Heat program	Max. 100
Applicable protection sleeve length	40mm / 60mm
Tension test	1.96N
Discharge compensation function	Automatic correction according to temperature and atmospheric pressure
Optical fiber viewing method	Two-way observation from X and Y axes
Monitor	4.3 inch wide LCD monitor with touch screen
Magnification	56X
Splice result storage / Image capture capacity	Last 10,000 splices / Last 100 images to be automatically captured
Dimensions	139W x 209D x 114H mm not including shock absorber 179W x 246D x 131H mm including shock absorber
Weight	1.8kg (with battery)
Data output	USB ver.2 mini B x 1 port, Standard A x 1 port
Power source	AC : 100-240V (50/60Hz) DC : 11-24V
Battery capacity ^{*3}	170 splice and heating cycles
Operating condition	Altitude : 0-2,000m Wind protection : 15m/s Operating temperature : -10 to +50 °C (non-condensing)
Storage condition	-40 to +60 °C (non-condensing)

*1 Corresponding to optical fiber in compliance with ITU-T recommendation.

*2 This numerical number is the one when measured for the purpose to show the fusion splice characteristics in the testing method of IEC 61073-1, it is not the one to guarantee the splicing loss.

*3 Number of times that the fusion splicing of the fiber and the heat reinforcement can be performed continuously at a rate of once a 90seconds at the room temperature (20°C) condition when using a new 100% charged battery. The number of times you can use depends on the state of the battery and usage.

■ Environmental Durability

Drop impact	Vertical drop test (5sides excluding the top side) is conducted from a height of 76cm and the normal operation is confirmed.
Impact protection	The normal operation is confirmed after dropping a 500grams weight of IK 07 grade from the height of 40cm onto the equipment.
Dustproof	The normal operation is confirmed after putting the equipment in a device containing dust of 25μm or less for 8hours.
Drip proof	The normal operation is confirmed after exposing water droplet of IPX 2 grade with 3mm/min to 4sides for 2.5min or more tilted by 15degree.

* It is not the guarantee of no break or no failure of this product since the test is performed with the draft shield closed.

■ Standard Package

Item	Model No.	S124M4-3-0 (Q'ty)	S124M4-3-1 (Q'ty)
S124M4 main body	S124M4-X-A-0001	1	1
Hard carrying case	HCC-11	1	1
Battery pack	S947	1	1
Spare electrode	ELR-01	1 pair	1 pair
AC adapter	S979	1	1
AC power cord	—	1	1
Cooling tray	CTX-03	1	1
Fiber reformer (4 fiber)	FRF-01	1 pair	1 pair
Cleaning brush	VGC-01	1	1
Electrode sharpener	D5111	1	1
Tool case	TCC-01	1	1
LCD antireflective sheet	ARS-01	1	1
Rubber foot	RBC-01	1 pair	1 pair
Quick Reference guide	FTS-B559	1	1
Instruction manual	UMC-03	1	1
Wi-Fi dongle	WFD-01	0	1

■ Optional components

Item	Model No.
Soft carrying case	SCC-01
Battery Charger	S980
Angled Stand	AGS-02
Strap plate	SPL-01
Work belt	WBT-01
USB cable	USB-01
Car cigarettes cable	CDC-04

■ Fiber holder

Item	Model No.
Fiber holder (0.25mm coating fiber)	S712S-250
Fiber holder (0.90mm coating fiber)	S712S-900
Fiber holder (2 fiber ribbon)	S712A-002
Fiber holder (4 fiber ribbon)	S712A-004

■ Fiber Guide V-groove

Fiber count, pitch	Model No.
0.25mm pitch 4 fiber	FGV-04-P250

■ Protection Sleeve

Model No.	Applicable Fiber	Length
S921	Single fiber, 0.25 - 0.9mm coating dia.	60mm
S922	Single fiber, 0.25 - 0.9mm coating dia.	40mm
S924	Single fiber and upto 8-fiber ribbon	40mm

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