

S178LDF Large Diameter Fiber Fusion Splicer

The FITEL S178LDF Large Diameter Fiber Fusion Splicer offers the new style of splicing the large diameter fiber. Its robust, compact and hand-held design allows portability and adapts to any location. Core alignment function achieves the precise splice. Fast splice and simple operation increases the working efficiency.



Feature

- Available for Large Diameter fiber splicing up to 450 μ m cladding diameter
- Rugged and compact handheld design allowing portability
- Core-alignment splice available for 125 μ m cladding diameter
- Active clad-alignment splice available for up to 450 μ m cladding diameter
- Fast splice and Fast heating
- User friendly LCD display enhancing ease-of-use
- Easy maintenance electrode replacement / mirror free alignment system

Specification

Applicable Fibers	LDF, SM, MM, DS, NZDS
Cladding Diameter	125 to 450 μ m
Coating Diameter	150 to 2000 μ m
Fiber Cleave Length	10mm
Average Splice Loss	SM: 0.02dB, MM: 0.01dB, DS: 0.04dB, NZDS: 0.04dB (125 μ m cladding fiber)
Splice Time	9 seconds (125 μ m cladding SM fiber)
Heat Time	31 seconds (S922: 40mm Sleeve, S921: 60mm Sleeve)
Splice Programs	Max. 150
Heat Programs	Max. 18
Applicable Sleeves	40 / 60 mm
Splice Memory	Max. 2000
Dimension	159 W x 231D x 130 H mm (including shock absorber)
Weight	1.9 kg (without battery)
Monitor	3.5" color LCD monitor
Data Output	USB ver.2.0 mini
Battery Capacity	Typical 60 splice / heat cycles with single battery
Operating Temperature	-10 to +50 °C (0 to 95% Relative Humidity [Non-Condensing])
Storage Temperature	-40 to +60 °C (0 to 95% Relative Humidity [Non-Condensing])
Humidity	0 to 95% Relative Humidity (Non-Condensing)
Power Source	AC Input 100 to 240 V (50/60Hz), DC Input 10.6 to 12.6 V

Standard Package

Item	P/N	Quantity
S178LDF Main Body*	S178-L-A-0001	1
Hard Carrying Case	HCC-01	1
Battery Pack	S943B	1
Spare Electrodes	S969	1pair
AC Adapter for S178LDF	S976A	1
AC Cable Cord	-	1
Electrode Sharpener	D5111	1
Cleaning Brush	VGC-01	1
User Manual	-	1

*Without Fiber Holder

Optional Accessory

Item	P/N	Quantity
Soft Carrying Case	SCC-01	1
Cooling Tray	CTX-01	1
Battery Pack	S943B	1
Battery Charger	S958C	1
Removable Fiber Holder		
250 μ m coating diameter fiber	S712S-250	1pair
500 μ m coating diameter fiber	S712S-400	1pair
900 μ m coating diameter fiber	S712S-900	1pair

*The Fiber Holder meets other coating size are available.

Please inform us about the coating diameter in the range of 150-2000 μ m.