

OPTICAL FIBER FUSION SPLICER

ISO 9001 Certified

S121 Series Hand-Held Fusion Splicer



Description

A T-shape splicer, especially designed for FTTx, LAN, and other construction work. The splicer can also be used for maintenance repair and educational purposes. It is a highly cost effective unit with a color LCD screen.

• Compact, Lightweight Body

The S121 Series is one-third the size (compared to FITEC S199) and weights only 980g / 2.2lbs without battery. This compact body allows you to splice in almost any location.



• Superb Portability

The S121 can be operated around the neck using the included 4-piece strap or can be attached to the optional YA03029 Work Table and S121-TRIPOD to set the splicer in a convenient position for splicing.



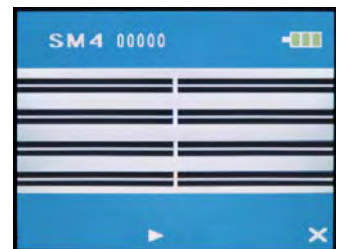
• Fast Splice & Fully Automatic

Operating the S121 series is simple. Just set the fibers in place and press a button! The whole process, from fiber feed to tension test, is fully automatic and takes just seconds.



• A Clear View of the Splice

The S121 series comes standard with a 2.5-inch color LCD monitor, which displays a magnified image of the fibers as viewed by a CCD camera. This allows for simple and accurate confirmation of the splice quality. Both fibers are automatically inspected before and after splice and estimation loss is also displayed.



• Product Line Up

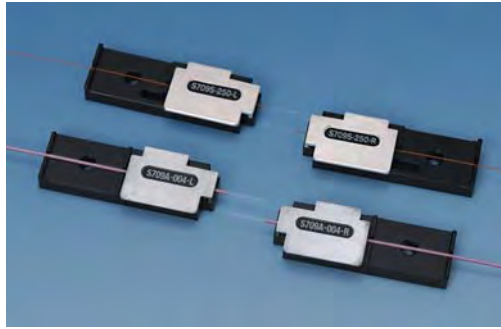
Model	Application
S121A	Splicing for single fiber Detachable Fiber Holder System Available
S121M	Splicing for single fiber to 4-fiber ribbon fibers Detachable Fiber Holder System Available
S121S	Splicing for single fiber; Built-in Tight Holder for splicing with super-short fiber lengths

• Features and Specifications

Feature	S121A/S	S121M
Fiber Types	Single Fiber SMF, MMF	Single to 4-Ribbon Fiber SMF, MMF
Cladding Dia.	125 μm	
Coating Diameter	250 to 900 μm	250 - 400 μm ribbon 250 - 900 μm single
Average Loss	SM: 0.05dB, MM: 0.03dB	
Splice Time	13 sec.	15 sec. (4-Ribbon)
Heat Shrink Time	85 sec.	
Splicing Programs	SM, MM, Other	SM1, SM2, SM4, MM1, MM2, MM4
Estimated Loss	Available	
Tension Test	1.96N	
Applicable Sleeve Lengths	40/60mm	
Dimensions	140W x 196D x 95H (mm)	
Weight	980g/2.2lbs. (body), 170g/6oz. (battery)	
AC Input	100 to 240VAC	
DC Input	S943 Li-ion battery (11.1V, 2100mAh)	
Battery Capacity	90 splices or 40 splices with heat shrink protection	
Operating Temp.	-10°C to +50°C	
Storage Temp.	-40°C to +60°C	

• Ease of Use with Fiber Holders

With the use of fiber holders, it is easy for operator to strip, cleave, and splice fiber, even for beginners! Depending on fiber type, there are 250um, 900um, 2-fiber ribbon and 4-fiber ribbon available.



• Hand-Held Splicing

Often in splicing, setting the splicer on a flat surface is not possible. That is why the S121 series is designed to be a hand-held unit, so you can splice virtually anywhere.



• Short Fiber Lengths

Thanks to the T-shape of the S121 series, you can actually set the splicer inside the closure and splice with very short fiber lengths.

• Battery or AC/DC Power Options

For cordless usage, the S121 series comes with a rechargeable Lithium ion battery and recharger. The recharger can accommodate up to two batteries at one time and the remaining charge is displayed on the screen for easy monitoring. AC power is also available with the optional accessory (S959).



• Heat Shrink Capability

Similar to standard fusion splicers, the S121 series offers a heat shrink oven for applying protection sleeves to the splice. A tool for applying non-shrink ULTRA sleeves is also available.



• S121A Standard Package

Model Number	Description
S121X-A-0001	S121A Splice Body
S121X-A-0002	Soft Carrying Case
S121X-A-0006	Manual
S121X-A-0008	4-Piece Strap
S709S-250	250 m Fiber Holders (pair)
S943	Li-ion Battery
S957	AC Adapter for Battery Recharger
S958	Battery Recharger
S963	Electrodes (2 pair)
D5111	Electrode Cleaning Disk

• S121S Standard Package

Model Number	Description
S121S-A-0001	S121S Splice Body
S121X-A-0002	Soft Carrying Case
S121X-A-0006	Manual
S121X-A-0008	4-Piece Strap
S943	Li-ion Battery
S957	AC Adapter for Battery Recharger
S958	Battery Recharger
S963	Electrodes (2 pair)
D5111	Electrode Cleaning Disk

• S121M Standard Package

Model Number	Description
S121M-A-0001	S121M Splice Body
S12X-A-0002	Soft Carrying Case
S121X-M-0006	Manual
S121X-A-0008	4-Piece Strap
S709A-004	4-Ribbon Fiber Holders (pair)
S709S-250	250 m Fiber Holders (pair)
S943	Li-ion Battery
S957	AC Adapter for Battery Recharger
S958	Battery Recharger
S959	AC Power Adapter for Splicer
S965	Electrodes (2 pair)
D5111	Electrode Cleaning Disk

• Optional Accessories

Model Number	Description
S121X-A-0004	Tool for ULTRA Sleeve
S121X-A-0005	Hard Carrying Case
S121X-A-0007	Heat Shrink Oven
S121X-Tripod	Tripod
S121X-DC	Cigarette Lighter Adapter
S709A-002	2-Ribbon Fiber Holders (pair)
S709A-004	4-Ribbon Fiber Holders (pair)
S709S-250	250mm Fiber Holders (pair)
S709S-900	900mm Fiber Holders (pair)
S943	Extra Li-ion Battery
S959	AC Power Adapter for Splicer
S963	Extra Electrodes (only S121A/S)
S965	Extra Electrodes (only S121M)
YA03029	Work Table (attaches cleaver)