



OPTICAL FIBER FUSION SPLICER

ISO 9001 Certified

Test Equipment Depot

 1-800-517-8431

99 Washington Street
 Melrose, MA 02176
 Phone 781-665-1400
 Toll Free 1-800-517-8431

S121 Series Hand-Held Fusion Splicer

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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

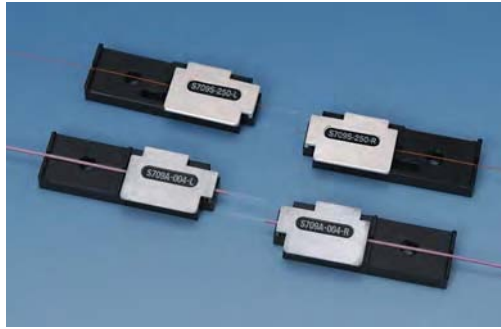
| Model | Application |
|-------|--|
| S121A | Splicing for single fiber Detachable Fiber Holder System Available |
| S121M | Splicing for single fiber to 4-fiber ribbon fibers Detachable Fiber Holder System Available |
| S121S | Splicing for single fiber; Built-in Tight Holder for splicing with super-short 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 m | |
| Coating Diameter | 250 to 900 m | 250 - 400 m ribbon 250 - 900 m single |
| Average Loss | SM: 0.05dB, MM: .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) |