

## S122 Series Hand-Held Fusion Splicer



### DESCRIPTION

With its super low profile and new user interface, the FiTeL S122 series fusion splicer offers next generation workability for every splicing field, FTTX, LAN, backbone, or long-haul installations. Combining the portability, power flexibility and field ruggedness of FiTeL's previous generation of hand-held splicers with the proven quality and performance of our ribbon splicers, the S122 delivers fast and consistent splicing with outstanding mobility and extreme ease-of-use.

### FEATURES

#### SUPERB MOBILITY AND WORKABILITY

Super low profile design, with only 1.85" height at the keypad, the S122 provides a stable working environment both on the work bench and palmtop. Attaching the S122 to the Work Table (optional) enables hands-free operation, as well as easy access to various work fields by folding the splicer upward.

#### RUGGED BODY

The top body and windshield are made of magnesium die-cast. The bottom body is protected with rubber corner pads. With its simple and flat shape, the S122 can survive during harsh conditions.

#### NEW GUI & LCD SCREEN

Featuring a new GUI (graphical user interface) and transreflective LCD screen technology, the S122 operation is a snap! Function keys are simple and information displays are crisp and clear even in direct sunlight.

#### MULTI-WINDOW FIBER DISPLAY

The LCD display shows the splicing process with simultaneous X and Y camera views, as well as status icons monitoring the machine conditions.

#### FAST AND ACCURATE

The fast 13-second splice time and 37-second heat time creates a highly efficient work environment. The S122 observes the fiber from 2 directions just as all high-end splicers, promising high quality splice from trunk to FTTX.

#### ENHANCED EASE OF USE

Memory for fiber image, counters for cleaver and stripper blade replacement and visual maintenance instructions are provided for your ease of use.



## SPECIFICATIONS

| ITEM                     | DESCRIPTION                                                                            |
|--------------------------|----------------------------------------------------------------------------------------|
| Fiber Types              | SMF, MMF, DSF, NZDSF                                                                   |
| Cladding Diameter        | 125µm                                                                                  |
| Coating Diameter         | 250µm to 900µm for single fiber<br>300µm to 400µm for ribbon (thickness) [S122M4 only] |
| Average Splice Loss      | SMF: 0.05dB, MMF: 0.03dB<br>DSF: 0.08dB, NZDSF: 0.08dB                                 |
| Splice Time              | 13 sec. (S122A), 15 sec. (S122M4)                                                      |
| Heat Time                | Single Fiber: 37 sec. (40mm), 51 sec. (60mm)<br>Ribbon Fiber: 45 sec. (40mm)           |
| Tension Test             | 1.96N                                                                                  |
| Applicable Sleeve Length | 40/60mm                                                                                |
| Program Memory           | Splice Programs: Max. 150<br>Heat Programs: Max. 12                                    |
| Splice Memory            | Max. 1,500                                                                             |
| Fiber Image Display      | Simultaneous two-axis display<br>Magnification 120X (S122A), 40X (S122M4)              |
| Dimensions               | 140W x 189L x 73H mm                                                                   |
| Weight                   | 800g/1.8lb. (body), 170g/0.4lb. (battery)                                              |
| AC Input                 | 100 to 240VAC                                                                          |
| DC Input                 | S943 Li-ion battery (11.1V, 2300mAh)                                                   |
| Battery Capacity         | 90 splices or 50 splices with heat shrink protection                                   |
| Operating Temp.          | -10Co to +50Co                                                                         |
| Storage Temp.            | -40Co to +60Co                                                                         |

## LINEUP

| MODEL  | APPLICATION                                                           |
|--------|-----------------------------------------------------------------------|
| S122A  | Splicing for single fiber using Fiber Holder System                   |
| S122M4 | Splicing for single fiber to 4-fiber ribbon using Fiber Holder System |



## PACKAGES

| P/N           | DESCRIPTION                   | S122A | S122A-KIT-1 | S122A-KIT-2 | S122M4 | S122M4-KIT-1 | S122M4-KIT-2 |
|---------------|-------------------------------|-------|-------------|-------------|--------|--------------|--------------|
| S122-A-A-0001 | S122A Splice Body             | •     | •           | •           |        |              |              |
| S122-M-A-0001 | S122M4 Splice Body            |       |             |             | •      | •            | •            |
| S122-X-A-0002 | Soft Carrying Case            | •     | •           |             | •      | •            |              |
| S122-X-A-0003 | Strap                         | •     | •           | •           | •      | •            | •            |
| S122-X-A-0005 | Hard Carrying Case            |       |             | •           |        |              | •            |
| S211B         | Fiber Stripper                |       | •           | •           |        | •            | •            |
| S218R         | Thermal Fiber Stripper        |       |             |             |        | •            | •            |
| S325A         | One-Action Precision Cleaver  |       | •           | •           |        | •            | •            |
| S709A-004     | 4-Ribbon Fiber Holders (pair) |       |             |             | •      | •            | •            |
| S709S-250     | 250mm Fiber Holders (pair)    | •     | •           | •           | •      | •            | •            |
| S709S-900     | 900mm Fiber Holders (pair)    |       |             | •           |        |              |              |
| S943          | Li-ion Battery                | •     | •           | •           | •      | •            | •            |
| S943          | Extra Li-ion Battery          |       |             | •           |        |              |              |
| S957B         | AC Adapter                    | •     | •           | •           | •      | •            | •            |
| S958B         | Battery Recharger             | •     | •           | •           | •      | •            | •            |
| S959          | DC Adapter                    |       |             | •           |        |              | •            |
| S966          | Electrodes (pair)             | •     | •           | •           | •      | •            | •            |
| D5111         | Electrode Cleaning Disk       | •     | •           | •           | •      | •            | •            |
| FPF-01        | Fiber Preparation Fluid       |       | •           | •           |        | •            | •            |
| FW-01         | Fiber Wipes                   |       | •           | •           |        | •            | •            |
| FTS-B291      | Manual                        | •     | •           | •           | •      | •            | •            |

## OPTIONAL ACCESSORIES

| P/N           | DESCRIPTION                   |
|---------------|-------------------------------|
| S122-X-A-0004 | Working Table                 |
| S709A-002     | 2-Ribbon Fiber holders (pair) |
| S945          | High Capacity Battery         |
| CS202         | Sheath Stripper               |
| SS-01         | Splicer Scissors              |

