

Splicers

Fusion

Type-45S Micro-Single™ Fusion Splicer



Description:

The Type-45S Micro-Single is an economical means for creating automatic, low-loss optical fiber fusion splices — offering superb splicing portability. The front-to-back workflow is ideal for splicing in confined areas such as aerial or taut-sheath applications.

The Type-45S typically requires less than 20 seconds to make an automatic fusion splice, and the average splice loss for identical single mode fibers is 0.05 decibels (dB).

The Type-45S is equipped with an on-board splice protection heater that is used to heat shrink a fiber protection sleeve over a completed splice. A 60mm fiber protection sleeve can be fully shrunk in less than 75 seconds.

Specifications

| | |
|--|--|
| Alignment Method | Fixed V-Groove |
| Fiber Requirement | Silica Glass |
| Profile Type | SMF, MMF and NZ-DSF |
| Cladding Diameter | 125µm |
| Coating Diameter | 250 to 900µm |
| Typical Splice Loss, Identical Fibers | SMF: 0.05dB MMF: 0.03dB NZ-DSF: 0.07dB |
| Number of Fusion Condition Settings | 48 Programs |
| Splice Parameters | 7 Adjustable Parameters |
| Arc Test Compensation | Automatic |
| Number of Heater Condition Settings | 10 |
| Typical Splice Cycle Time | 20 Seconds (Set to Loss Estimation) |
| Proof Test | Standard, 200 Grams (0.44 lb) |
| Splice Data Storage | 500 Splices |

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Features:

- Single Fiber Fixed V-groove Alignment Method
- On-board Splice Protection Heater
- 5.6" Color LCD Monitor
- 30 mph Wind Protection
- User Friendly Software With Help Features
- Operation by AC Power or 12V Li-ion Battery
- Tool-free Maintenance for Changing Electrodes

Physical Characteristics

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|--|---|
| Size (With Battery) | 150W x 150H x 150D mm (5.9W x 5.9H x 5.9D in) |
| Weight (With Battery) | 3 kg (6.6 lbs) |
| Power Requirement | Input: 100V to 240V AC; 50/60 Hz; 12V DC Battery |
| Display | Low Glare, 5.6 Inch Color LCD Monitor |
| Wind Protection | 30 mph (15 m/s) |
| Battery Operation (Fully Charged) | 40+ Splices Including Protection Sleeve Heater Operation |

Type-45S-Kit Components:

- Type 45S Fusion Splicer
- Fiber Cleaver
- Power Supply Cord
- Carrying Case
- Spare Electrodes
- V-groove Brush
- Operation Manual
- Cooling Tray

Ordering Information

| Description | Part Number |
|--|----------------|
| Splicer Kit With Accessories, Type-45S | TYPE-45S-KIT-4 |

Accessories

| Description | Part Number | UOM |
|--|-------------|-------|
| Aerial Work Platform Kit With Mounting Arm | APF-03-KIT | 1 ea. |
| Battery Unit, 30+ Splices | BU-M1 | 1 ea. |
| AC Power Cord | PC-AC2 | 1 ea. |
| Power Supply for AC Operation | PS-M1 | 1 ea. |
| Electrodes | ER-7 | 1 ea. |
| Hand-held Single Fiber Cleaver | FC-3 | 1 ea. |
| Hand-held High Precision Single Fiber Cleaver | FC-7 | 1 ea. |
| Single Fiber Adapter (250µm and 900µm) | FC6-ADAPTER | 1 ea. |
| Fiber Scrap Catcher | FC6-CATCHER | 1 ea. |
| High Precision Cleaver, Single or Ribbon, With Fiber Scrap Catcher | FC-6M-C | 1 ea. |
| Combination Jacket Remover, 900µm and 250µm, With Replaceable Blades | JR-25 | 1 ea. |
| Single Fiber, 250 to 900µm, 60mm, 50 Sleeves | FPS-1 | 1 pk. |
| Single Fiber, 250 to 900µm, 40mm, 50 Sleeves | FPS-40 | 1 pk. |
| Single Fiber, 250 to 900µm, 26mm, 24 Sleeves | FPS-26 | 1 pk. |
| V-groove Brush | VGB-003-CR | 1 ea. |