

# Splicers Fusion

## Type-65 Micro-Mass™ Fusion Splicer



### Description:

The Type-65 sets a new standard for reduced size and weight, and is designed for complete portability. Type-65 can be used for all types of ribbon and single-fiber splicing with an optimum arrangement for ease of use in aerial and taut-sheath applications.

The Type-65 features a user-friendly software package with on-screen operation instructions that help simplify training requirements. It is highly portable at 6.6 lbs., and offers the user splice visibility with the fibers being displayed at approximately

40X magnification. The fiber viewing system simultaneously focuses up to 12 fibers at a time and maintains equal resolution across all fibers for improved accuracy of splice loss estimations. During battery operation, the splicer allows more than 20 splices per battery charge including heater operation.

The Type-65 typically requires 30 seconds to make an automatic fusion splice and the average splice loss for identical single mode fibers is 0.04 decibels (dB).

### Specifications

<b>Alignment Method</b>	Fixed V-Groove
<b>Fiber Requirement</b>	Silica Glass
<b>Fiber Type</b>	SMF, MMF and NZ-DSF
<b>Coating Diameter</b>	Ribbon: 250µm Single: 250 and 900µm
<b>Number of Fibers</b>	1, 2, 4, 6, 8, 10, 12
<b>Typical Splice Loss, Identical Fibers</b>	SMF: 0.04dB MMF: 0.03dB NZ-DSF: 0.07dB
<b>Number of Fusion Condition Settings</b>	3 Fiber Profiles With 7 Pre-set Programs Each. Maximum of 48 Programs.
<b>Splice Parameters</b>	5 Parameters for Each Program
<b>Arc Test Compensation</b>	Automatic
<b>Number of Heater Condition Settings</b>	10
<b>Typical Splice Cycle Time</b>	12 Fibers: 30 Seconds (Set to Loss Estimation)
<b>Splice Data Storage</b>	500 Splice Data Points

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#### Features:

- Multi-fiber (1-12 ct.) 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
- Patented Arc Test Feature to Automatically Compensate for Environmental Conditions

#### Physical Characteristics

<b>Size</b>	150W x 150D x 150H mm (5.9W x 5.9D x 5.9H in)
<b>Weight</b>	3 kg (6.6 lbs)
<b>Power Requirement</b>	Input: 100 to 240V AC; (50/60 Hz): 12V DC
<b>Display</b>	Low Glare, 5.6 Inch Color LCD Monitor
<b>Wind Protection</b>	30 mph (15 m/s)
<b>Battery Operation (Fully Charged)</b>	20+, 12-fiber Mass Splices, Including Protection Sleeve Heater and Thermal Jacket Remover Operation

#### Ordering Information

Description	Part Number
Splicer Kit With Accessories, Type-65	TYPE-65-KIT-1
Splicer Kit With Accessories, Type-65	TYPE-65-KIT-2

#### Accessories

Description	Part Number	UOM
Fiber Holders, 250µm Fiber	RH-250	1 pr.
Fiber Holders, 900µm Fiber	RH-900	1 pr.
2-Fiber Ribbon Holders	RHS-02	1 pr.
4-Fiber Ribbon Holders	RHS-04	1 pr.
6-Fiber Ribbon Holders	RHS-06	1 pr.
8-Fiber Ribbon Holders	RHS-08	1 pr.
12-Fiber Ribbon Holders	RHS-12	1 pr.
Battery Unit	BU-M1	1 ea.
AC Power Cord	PC-AC2	1 ea.
Power Supply Module	PS-M1	1 ea.
Electrodes	ER-7	1 ea.
12V DC Power Cord, 1M	PC-2	1 ea.
Thermal Jacket Remover, With (PC-2)	JR-5	1 ea.
Aerial Work Platform Kit With Mounting Arm	APF-03-KIT	1 ea.
Consumable Kit for FTA-2	FAC-24	1 box
Fiber Arrangement Tool – Up to 12 ct. Ribbons	FTA-2	1 ea.
High Precision Cleaver, Single or Ribbon, With Fiber Scrap Catcher	FC-6M-C	1 ea.
Replacement Blade	JR-5BL	1 pr.
Single Fiber, 250 to 900µm, 60mm, 50 Sleeves	FPS-1	1 pk.
2 to 8 ct. Fiber Ribbons, 40mm, 25 Sleeves	FPS-5	1 pk.
10 to 12 ct. Fiber Ribbons, 40mm, 25 Sleeves	FPS-6	1 pk.
V-groove Brush	VGB-003-CR	1 ea.

#### Type-65-Kit Components:

- Type 65 Fusion Splicer
- Fiber Cleaver
- Thermal Jacket Remover
- RHS-12 Ribbon Holders (1 Pair)
- Single Fiber Holder
- Power Supply Cord
- Battery (With Charger Cord)
- Carrying Case
- Spare Electrodes
- V-groove Brush
- Operation Manual
- Cooling Tray

#### Type-65-Kit-2 Components:

- Includes the Above, Plus Fiber Arranger Tool and Consumable Kit