Splicers
Fusion

Type-37SE Micro-Core™ Alignment Fusion Splicer

Type-37SEB

Description:

The Type-37SE Micro-Core™ is a lightweight, portable, fully automatic, self-contained instrument for creating low-loss optical fiber splices. This full-featured splicer features a user-friendly software package with on-screen operation instructions that help simplify training requirements. It is highly portable at only 9.0 lbs and can receive power via an internal AC power module or internal 12V DC battery module.

The splicer automatically aligns a pair of optical fibers in both the X and Y (horizontal and vertical) planes and then fuses them together with heat from an electric arc to form a low-loss splice. HDCM (High-resolution Direct Core Monitoring) image processing software in the splicer is used to perform core alignment and estimates the splice loss. The operation can be performed in as little as 11 seconds with a typical splice loss of 0.02 decibels(dB) for identical single-mode fibers.

Specifications

Alignment Method	Core Alignment — High-resolution Direct Core Monitoring (HDCM)
Fiber Requirement	Silica Glass
Profile Type	SMF, MMF, NZ-DSF, CSF, Er-doped Fiber
Cladding Diameter	80 to 150µm
Coating Diameter	250 to 900µm
Cleave Length	8 to 16mm
Typical Splice Loss, Identical Fibers	SMF: 0.02dB MMF: 0.01dB NZ-DSF: 0.03dB
Number of Fusion Condition Settings	48 Total
Splice Parameters	5 Adjustable Parameters
Number of Fiber Profiles	40
Arc Test Compensation	Automatic
Number of Heater Condition Settings	10
Menu Selection	User Friendly Menus
Typical Splice Cycle Time	11 Seconds, Quick Mode, 15 Seconds, Standard (Set to Loss Estimation)
Typical Heater Cycle Time	<40 Seconds
Proof Test	Standard, 200 Grams (0.44 lb)
Splice Data Storage	2400 Splices (Built-in Memory)

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Features:

- Core Alignment (High-Resolution Direct Core Monitoring)
- On Board Splice Protection Heater
- 5.6" Color LCD Monitor
- 340x Fiber Magnification
- 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
- Back Mount Monitor Option Available
- Fast Fiber Protection Sleeve Heater

Physical Characteristics

Size	150W x 150D x 176H mm (5.9W x 5.9D x 6.9H in)
Weight	4.1 kg (9.0 lbs)
Power Requirement	Input: 100 to 240V AC; 50/60Hz, 12V DC
Display	Low Glare, 5.6 Inch Color LCD Monitor
Wind Protection	30 mph (15 m/s)
Battery Operation	40+ Splices Including Protection Sleeve Heater Operation

Type-37SE-Kit-4 Components:

- Type-37SE Fusion Splicer
- Fiber Cleaver
- Jacket Remover
- Battery
- Power Supply Cord
- Carrying Case
- Spare Electrodes
- V-groove Brush
- Operation Manual
- Cooling Tray

Ordering Information

Description	Part Number
Splicer Kit With Accessories, Type-37SE	TYPE-37SE-KIT-4

Accessories

Description	Part Number	UOM
Aerial Work Platform Kit With Mounting Arm	APF-03-KIT	1 ea.
Battery Unit	BU-M1	1 ea.
AC Power Cord	PC-AC2	1 ea.
Power Supply for AC Operation	PS-M1	1 ea.
Electrodes	ER-8	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.