

# Splicers

## Fusion



### Type-25eU/S/M Hand-Held Fusion Splicer



#### Description:

The new Type-25e TomCats incorporate all the features, functions, and proven reliability of the Type-25 family – the industry’s most popular handheld splicers for FTTx, premise, and restoration applications – but with numerous enhancements. The new TomCats feature improved optical technology utilizing your choice of an economical one camera system or an industry standard dual camera splice loss estimation system. The improved optical technology, combined with a quicker splice protection sleeve heater, allows the unit to deliver a typical splice time in less than 11 seconds for SMF or MMF.

These next generation TomCats continue with Sumitomo’s mission of customer focused engineering by reducing the customer’s overall cost of ownership. The units feature an internal battery charger

and AC adapter to reduce equipment cost. They also utilize electrodes common with both the Type-39 and Type-66 to reduce customers’ inventory cost, as well as ordering frustrations. Improved battery technology allows the technician to perform 60 splices on a single battery charge. Included in the “full-featured” distinction of the TomCat splicers are adjustable front-to-back position monitors that allow the user to observe the fiber during the splicing process.

The units are also compatible with Sumitomo’s new Lynx – CustomFit® Splice-on Connector, which makes index matching gel, hand polishing, epoxies, and splice trays obsolete. The Type-25e family features an improved fiber holder system to increase splice repeatability, while making the units effortless to learn and operate.

Specifications	Type-25eU	Type-25eS	Type-25eM
<b>RoHS</b>	Compliant (Engineered to be Environmentally Friendly)		
<b>Alignment Method</b>	Fixed V-Groove		
<b>Applicable Fiber Types</b>	SMF, MMF, DSF, NZ-DSF		
<b>Fiber Count</b>	1ct.	1ct.	Up to 4ct. Ribbon
<b>Splice Loss Estimation</b>	No	Yes	Yes
<b>Fiber Placement</b>	Fiber Holder System (Unified Fiber Holders for Type 25e/Type 66/Type-65)		
<b>Cladding Diameter</b>	125 $\mu$ m		
<b>Typical Splice Loss</b>	Identical Fibers		
<b>SMF/MMF</b>	0.10/0.04dB	0.05/0.03dB	0.05/0.03dB
<b>Typical Heaters Cycle</b>	40 Seconds		
<b>Typical Splice Time</b>	11 Seconds		
<b>Battery Operation</b>	60 Splice & Heat Shrink Cycles per Charge		
<b>Arc Test</b>	Automatically Compensates for Environmental Conditions		
<b>External Interface</b>	12 Volt DC Output for Accessories USB Port for Quick PC Transfers		
<b>Internal Splice Data Storage</b>	1500		
<b>Lynx—CustomFit® Splice-On Connector</b>	Compatible		
<b>Powering Options</b>	Internal Battery Charger Internal AC Adapter		

Fusion and Termination Products

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(cont'd)



Shown with Optional Lynx—CustomFit® Splice-on Connector.

#### Customer Focused Features:

- Dual Camera Splice Loss Estimation
- Economically Priced Single Camera Unit
- 60 Splice & Heat Shrinks per Battery Charge
- Multiple Language Options Including Spanish
- User-Friendly Menu Selection System
- Unified Holders for Type-25e/Type-66
- Unified Electrodes for Type-25e/Type-66/Type-39
- Built-in Battery Charger
- AC Adapter Incorporated within Unit
- Lynx—CustomFit Splice-On Connector Compatible
- Automatic Arc Test Function
- 24-Hour Technical Support via 888-SPLICER

#### Physical Characteristics

<b>Size</b>	120W x 145D x 160H mm (4.9W x 5.7D x 6.3H in)
<b>Weight</b>	1350 g (2.9 lbs)
<b>Power Requirement</b> (via built-in AC interface)	Input: 100 to 240V AC; 50/60Hz, 12V DC
<b>Wind Protection</b>	30 mph (15 m/s)

#### Ordering Information

Description	Part Number
Splicer Kit with accessories, Type 25eU	TYPE-25eU-KIT-1
Splicer Kit with accessories, Type 25eU and Precision Optical Cleaver	TYPE-25eU-KIT-2
Splicer Kit with accessories, Type 25eS	TYPE-25eS-KIT-1
Splicer Kit with accessories, Type 25eS and Precision Optical Cleaver	TYPE-25eS-KIT-2
Splicer Kit with accessories, Type 25eM	TYPE-25eM-KIT-1
Splicer Kit with accessories, Type 25eM and Precision Optical Cleaver	TYPE-25eM-KIT-2

#### Accessories

Description	Part Number	UOM
250 $\mu$ m Single Fiber Holder (T-25e & T-61 to T-66)	FHS-025	1 pr.
900 $\mu$ m Single Fiber Holder (T-25e & T-61 to T-66)	FHS-09	1 pr.
2 Count Ribbon Holder (T-25eM & T-61 to T-66)	FHM-2	1 pr.
4 Count Ribbon Holder (T-25eM & T-61 to T-66)	FHM-4	1 pr.
Spare Electrodes (T-25e, T-39 & T-66)	ER-10	1 pr.
Battery Unit	BU-HH2	1 ea.
Hand-Held Precision Single Fiber Cleaver	FC-7	1 ea.
High Precision Cleaver, Single or Ribbon, With Scrap Catcher	FC-6M-C	1 ea.
Cleaver Blade (FC-XXX)	FCP-BL	1 ea.
Thermal Jacket Remover, 1ct. to 4ct. Ribbon, Battery Operated	JR-5B	1 ea.
Fiber Protection Sleeves (Single Fiber, 60mm, 50 Sleeves)	FPS-1	1 pk.
Fiber Protection Sleeves (Single Fiber, 60mm, 10 Sleeves)	FPS-40-10P	1 pk.
Fiber Protection Sleeves (4 Fiber Ribbon, 5 Sleeves)	FPS-6-5P	1 pk.
Mini Work Platform	MPF-01	1 ea.
V-groove Brush	VGB-003-CR	1 ea.

#### Type-25eU-KIT-1, Type-25eS-KIT-1 and Type-25eM-KIT-1 Components:

- Fusion Splicer
- Spare Electrodes
- Battery and Charging Cable
- Power Cord
- V-Groove Brush
- Operation Manual
- 250 $\mu$ m Fiber Holders
- 4 Count Ribbon Fiber Holders included with 25eM
- Jacket Remover
- Hard Carrying Case

#### Type-25eU-KIT-2, Type 25eS-KIT-2 and Type-25eM-KIT-2:

- Includes all components above plus a Precision Optical Cleaver