

# Splicers Fusion



### Description:

Sumitomo's TomCat splicers are the industry's first "full-featured" hand-held fiber splicers offering both the agility and the robustness required for FTTx, premise, and optical component assembly applications. Easy-to-use, easy-to-learn, these portable battery-operated splicers reduce training time for efficient deployments—making fusion splicing the choice for both optimum reliability and affordability.

Included in the "full-featured" distinction of the TomCat splicers are adjustable position monitors that allow the user to observe the fiber during the splicing process. Their

front-to-back workflow makes the splicers ideal when limited fiber slack is available, in aerial taut-sheath applications, and for component testing. Sumitomo's fiber holder system facilitates quick and easy fiber preparation and placement.

The splicers' small footprints maximize workspace and enable precision splicing at a close proximity to the splice point for optimal flexibility. All TomCat units are optimized for both single-mode and multimode fibers and are manufactured with the same Sumitomo commitment to quality and reliability.



Fusion Products

Specifications	Type-25U	Type-25S	Type-25M
Alignment Method	Fixed V-Groove		
Fiber Requirement	Silica Glass		
Fiber Type	SMF and MMF		
Coating Diameter	250 & 900µm		
Typical Splice Time	<13 Seconds		
Heater Time	<40 Seconds		
Cleave Length	10mm		
Battery Operation	30 splices (fully charged)		
Number of Fiber Programs	15		
Arc Power Compensation	Automatic Arc Test		
Altitude	0-3660m(12,000feet)		
Operating Temperature	-10 to 50°C (14 to 122°F)		
Storage Temperature	-40 to 70°C (-40 to 158°F)		
Fiber Count	1ct	1ct	up to 4f ribbon
Typical Splice Loss SMF/MMF	0.10/0.04dB	0.05/0.03dB	0.05/0.03dB
Splice Loss Estimation	No	Yes	Yes

## TomCat Splicers

(cont'd)

### Features:

- Dual Camera Splice Loss Estimation (Type-25S and Type-25M Models)
- Compact, Lightweight (3.3lb) Design Simplifies Splicing in Confined Areas.
- 30 Splices on a Single Battery
- Automatic Arc Test Function
- Mounting Holes for Securing the Splicer to a Workstation for Aerial, Pole, & Pedestal Applications
- Fiber Holders Allow for Quick and Easy Fiber Placement
- Automatic Splice in Less than 13 Seconds for SMF or MMF

### Physical Characteristics

<b>Size</b>	120W x 145H x 160D mm (4.7W x 5.7H x 6.2D in)
<b>Weight</b>	1.5 kg (3.3 lb)
<b>Power Requirement</b>	12V DC
<b>Wind Protection</b>	30 mph (15 m/s)

### Ordering Information

Part Number	Description
<b>Type-25U-Kit-4</b>	Includes: Shipping Case, Battery, Battery Charger, Cleaver, 250um Fiber Holders, Spare Electrodes, V-Groove Brush, Manual and Jacket Remover
<b>Type-25S-Kit-4</b>	Includes: Shipping Case, Battery, Battery Charger, Cleaver, 250um Fiber Holders, Spare Electrodes, V-Groove Brush, Manual and Jacket Remover
<b>Type-25M-Kit-1</b>	Includes: Shipping Case, Battery, Battery Charger, Cleaver, 4ct. Ribbon Holders, Spare Electrodes, V-Groove Brush, Manual and Jacket Remover
<b>Accessories</b>	<ul style="list-style-type: none"> <li>• AC Interface Board</li> <li>• Cleaver Collection Bin</li> <li>• 900um Fiber Holders</li> <li>• Work Platform</li> </ul> <ul style="list-style-type: none"> <li>• Splice Sleeves</li> <li>• Cleaver Blade</li> <li>• Spare Batteries</li> <li>• Electrode</li> </ul>