



## Quantum Type-Q101-VS+ Active Cladding Alignment Fusion Splicer



### Description:

Sumitomo Electric Lightwave's latest Quantum Type-Q101-VS+ features a navigational touch screen monitor for optimum user friendliness. The new Q101-VS+ also features a SD port for virtually unlimited data storage plus video, software uploads and downloads.

SEL's Type-Q101-VS+ features an active cladding alignment fusion splicer for more precise and reliable fusion splicing in the field. The feature also lowers splice times to approximately 7 seconds. Complete

with a high speed shrink oven, Sumitomo has decreased splicing time to 20 seconds with a 60mm sleeve making this splicer an industry leader. The Q101-VS+ comes standard with fiber holders as an improved modular fiber retention system for use with splice on connectors, loose buffer and corded fibers.

For more information about SEL's Quantum Fusion Splicers or other related products, visit our website at [www.sumitomoelectric.com](http://www.sumitomoelectric.com)

### Features

- Active Cladding Alignment Fusion Splicing
- High Resolution, Fully Navigational, Touch Screen Monitor for Optimum User Friendliness
- Internet Interface for Remote Maintenance & Software Upgrades
- Video Playback with Built In 'How-To' Videos
- High Speed Heat Shrink Oven to Increase Splice Efficiencies
- Internal Battery Charging While Splicing
- Dual Bay External Battery Charger Available
- Automatic Splice Start, Arc Calibration and Heater Start
- Extended Life Electrodes Standard
- Lynx2 CustomFit® Splice-On Connector Compatible
- 24-Hour Technical Support

Specifications	
RoHS	Compliant
Applicable Fiber Types	SMF, MMF, DSF, NZ-DSF, BIF/UBIF
Coating Diameter	0.25mm, 0.5mm, 0.9mm
Cladding Diameter	125um
Cleave Length	10mm
Typical Splice Loss, Identical Fibers	SMF: 0.03dB; MMF: 0.01 dB; NZ-DSF: 0.04dB
Alignment Method	Active Clad Alignment
Built-In Splice Protection Sleeve Heater	Single Independent Auto Start Heater
Heater Cycle Time	20 Seconds; 60mm slim
Heater Programs	100
Typical Splice Time	7 Second Splice time
Splice Programs	200
Interface	Touch Panel Input & Switches, Built in Audio and Video, SD Memory Card, USB 2.0 (USB-mini B) DC Input for Car Battery Operation
Power Requirements	Input: 100V to 240V AC; 50/60 Hx; 10-15V DC
DC (Battery Operation)	200 Splices and Heater Cycles
Battery Module	Li-ion; Splice and Heater Cycle Capacity Displayed on Battery
Arc Test	Auto Compensation for Environmental Conditions
Proof Test	Internal 200g (-1.96N)
Language Selection	29
Internal Splice Data Storage	10,000 (Unlimited with SD Card)
Splice Image Storage	200
Electrode Life	3,000 arcs
Display Positions	Adjustable for Optimal Work Flow
Software Update	Internet
Remote Maintenance	Yes



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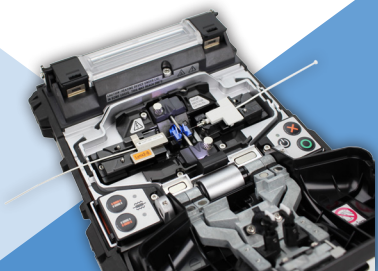
### Type-Q101-VSP-KIT-1 includes:

- Type-Q101-VS+ Fusion Splicer
- AC Adapter and Power Cord
- Cooling Tray
- Standard Battery Pack
- Operation CD Manual
- Quick Reference Guide
- Durable Carrying Case with Worktable
- USB Cable
- Hand Strap for Transit
- Spare Electrodes
- FHS-025 250um Fiber Holders
- FHS-09 900um Fiber Holders

Our New Light-Weight Shipping Case is Designed To Not Only Protect the Unit, But Also Double as a Hands-Free Portable Work Platform.



Shown with Optional Lynx SOC Holder



### Physical Characteristics

<b>Size (mm)</b>	120W x 154D x 130H
<b>Weight</b>	1.9 kg with Battery
<b>Display Type</b>	4.1 Color, Low Glare, High Resolution Touch Screen Monitor
<b>Shock - Free Fall</b>	76 cm from 5 Sides (excluding top face)
<b>Waterproof</b>	IPx2
<b>Dust Proof</b>	IP5x
<b>Wind Protection</b>	30mph (15m/s)
<b>Battery Docking Bay</b>	Internal

### Accessories

Description	Part Number	UOM
<b>Battery Unit</b>	BU-101	1 ea.
<b>250um Single Fiber Holder</b>	FHS-025	1 pr.
<b>900um Single Fiber Holder</b>	FHS-09	1 pr.
<b>Spare Electrode</b>	ER-10	1 pr.
<b>Hand-Held Precision Fiber Cleaver with Automatic Blade Rotation and Catcher</b>	FC-7R	1 ea.
<b>Precision Bench Top Automatic Blade Rotation Cleaver with Catcher</b>	FC-6RS-C	1 ea.
<b>Fiber Protection Sleeves (Single Fiber, 40mm, 10 Sleeves)</b>	FPS-40-10P	1 pk.
<b>Fiber Protection Sleeves (Single Fiber, 60mm, 50 Sleeves)</b>	FPS-1	1 pk.
<b>Slim Fiber Protection Sleeve</b>	FPS-61-2.6	1 pk.
<b>V-Groove Brush</b>	VGB-003-CR	1 pk.
<b>External Battery Charger</b>	BC-101	1 ea.
<b>Car Adapter</b>	PCV-11	1 ea.
<b>Splice Tray Holder</b>	Q101-STH-KIT	1 ea.

### Ordering Information

Part Number	Description
<b>Type-Q101-VSP-KIT-1</b>	Splicer Kit with Accessories, and Case
<b>Type -Q101-VSP-KIT-2R</b>	Items in Type-Q101-VSP-Kit-1 with FC-7R Precision Cleaver
<b>Type Q101-VSP-KIT-6RSC</b>	Items in Type-Q101-VSP-Kit-1 with FC-6RS-C Precision Cleaver