

# Splicers

## Fusion



### Quantum Type-QH201e-VS™ Handheld Fusion Splicer



#### Description

Sumitomo Electric Lightwave's Quantum Type-QH201e-VS marks the new standard for FTTX/Handheld fusion splicers. This amazing handheld splicer boasts the industry's smallest footprint and is the first and ONLY to incorporate a fully navigational touch screen interface for maximum user friendliness; on-board training videos; remote software updates; and USB 24-7 remote maintenance capability. Other features include

li-ion battery technology and an easy to use fiber holder system—with the legendary reliability common to all Sumitomo Electric splicers.

The Quantum Type-QH201e-VS is by far the most advanced FTTX/Handheld fusion splicer in the industry, yet it's also rugged with superior dust, shock and water-proof resistance, making it the ideal choice for even the harshest environments.

#### Specifications

|  |  |
|--|--|
| RoHS                                       | Compliant  |
| Alignment Method                           | Fixed V-Groove   |
| Coating Diameter                           | Single: 250µm, 500µm, and 900µm  |
| Cladding Diameter                          | 125µm  |
| Cleave Length                              | 10 mm  |
| Typical Splice Loss                        | SMF: 0.05dB MMF: 0.03dB  |
| Typical Heaters Cycle Time Each Heater     | 30 seconds 60mm (FPS-61-2.6)   |
| Typical Splice Time                        | 9 seconds  |
| Heater Programs Max/Preset                 | 100 / 30   |
| Splice Programs Max/Preset                 | 300 / 50   |
| Splice & Heater Cycles per Charged Battery | 100  |
| Interface                                  | <ul style="list-style-type: none"> <li>• Touch Panel Input</li> <li>• Built-in Help and Maintenance Videos</li> <li>• Micro SD and Micro SDHC</li> <li>• USB 2.0 (mini - B)</li> <li>• DC Input for Car Battery Operation</li> </ul> |
| Power Requirements                         | Input: 100V to 240V AC; 50/60 Hz; 10-15V DC  |
| Maximum Altitude                           | 3,660m   |
| Arc Test                                   | Automatically Compensates for Environmental Conditions   |
| Proof Test                                 | Internal 200 g   |
| Internal Splice Data Storage               | 10000  |
| Image Storage                              | 64   |
| Electrode Life                             | 3000 arcs  |

#### Physical Characteristics

|                              |                                |
|------------------------------|--------------------------------|
| Size(mm)                     | 110W x 140D x 76H              |
| Weight                       | 860 g (including battery)      |
| Display Type                 | 3.5 Color Touch Screen Monitor |
| Shock Resistance – Free Fall | 76cm from 5 sides              |
| Waterproof                   | IPx2                           |
| Dustproof                    | IP5x                           |
| Wind Protection              | 30mph (15m/s)                  |

#### Features

- Industry's Only High Resolution, Fully Navigational, Touch Screen Monitor
- Internal Battery Charging while Splicing
- Dual Bay External Battery Charger Available
- Internet Interface for Remote Maintenance & Software Upgrades
- Built-In Help and Maintenance Videos
- Micro-SD Ports for Virtually Unlimited Data Storage
- Automatic Splice Start, Arc Calibration and Heater Start
- Extended Life Electrodes Standard
- Hard or Soft Transit Case
- Easy to use Fiber Holder Based System
- Lynx2 CustomFit® Splice-On Connector Compatible
- RoHS Compliant
- 24-Hour Technical Support

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### Accessories

| Description   | Part Number | UOM   |
|---|-------------|-------|
| Spare Electrodes  | ER-11       | 1 pr. |
| 250 $\mu$ Single Fiber Holder   | FHS-025     | 1 pr  |
| 900 $\mu$ Single Fiber Holder   | FHS-09      | 1 pr. |
| Battery Unit  | BU-12L      | 1 ea. |
| Precision Bench Top Fiber Cleaver with Scrap Fiber Catcher                    | FC-6S-C     | 1 ea. |
| Bench Top Fiber Cleaver with Automatic Blade Rotation and Scrap Fiber Catcher | FC-6RS-C    | 1 ea. |
| Hand-Held Precision Fiber Cleaver with Automatic Blade Rotation and Catcher   | FC-7R       | 1 ea. |
| External Dual Bay Battery Charger   | BC-12       | 1 ea. |
| Soft Carrying Case  | CCS-100     | 1 ea. |
| Lynx2 Cable Side Holder   | Lynx2-UML-S | 1 ea. |
| Fiber Protection Sleeves (Single Fiber, 60mm, 50 pcs.)                        | FPS-1       | 1 ea. |
| Fiber Protection Sleeves (Single Fiber, 40mm, 50 pcs.)                        | FPS-40      | 1 pk. |

### Ordering Information

| Part Number             | Description                                      |
|-------------------------|--|
| Type-QH201e-VS-KIT-1    | Splicer Kit with Accessories                     |
| Type-QH201e-VS-KIT-2    | Splicer Kit with Accessories and FC-6S Cleaver   |
| Type-QH201e-VS-KIT-2R   | Splicer Kit with Accessories and FC-7R Cleaver   |
| Type-QH201e-VS-KIT-6RSC | Splicer Kit with Accessories and FC-6RSC Cleaver |

#### Type-QH201e-VS-KIT-1 Components

- Type-QH201e-VS Splicer
- Spare Electrodes
- Transit Case
- AC Adapter and Power Cord
- 250 $\mu$ m Fiber Holders
- Standard Battery
- Cleaning Tools
- Manual
- Fiber Optic Stripper



Shown with Optional Lynx2 CustomFit® Splice-On Connector



Quantum Type-QH201e-VS Shown with Optional Work Harness

#### Type-QH201e-VS-KIT-2

Includes All of Kit-1 Components;  
Plus FC-6S Precision Optical Cleaver

#### Type-QH201e-VS-KIT-2R, Type-QH201e-VS-KIT-6RSC

Includes All of Kit-1 Components; plus a Precision Optical Cleaver with Automatic Rotating Blade and Scrap Catcher