



Splicers Fusion



Quantum Type-Q101-CA+™ Core Alignment Fusion Splicer™



Description

The Quantum Type-Q101-CA-PLUS™ is Sumitomo Electric Lightwave's enhancement to its industry leading Quantum core alignment fusion splicer, providing the most advanced splicing technology available today. Maintaining all of the qualities and industry first features of the Quantum Type-Q101-CA, the Quantum Plus reaches new standard levels in speed by reducing heater shrink time from 28 to 14 seconds. This new speed, coupled with the splicer's patent protected dual independent ovens,

makes it the fastest in the industry by far. The built-in dual heater system, with its unprecedented speed, improves splicing efficiency by over 80% for perfectly streamlined, consecutive, and cost effective splices. The Quantum PLUS is also the lightest, smallest, and most advanced core alignment 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.

Features

- Industry's Only Dual Independent Heat Shrink Ovens
 - Industry's First High Resolution, Fully Navigational Touch Screen Monitor
 - Industry's Only SD Port for Virtually Unlimited Data Storage
 - Industry's Only Internet Interface for Remote Maintenance & Software Upgrades
 - Industry's Only Video Playback
 - Industry's Lightest Weight & Smallest Footprint Core Alignment Splicer
 - Ruggedized Design for Shock, Water, and Dust Resistance
 - Automatic Splice Start, Arc Calibration, Heater Start and Fiber Identification
 - Hard Carrying Case with Integrated Work Platform
 - Multiple Positional Monitor with Automatic Display Inversion
 - Fiber Holder or Fiber Clamp Selectable
 - Battery Recharges While Splicing
- (continued on back)

Specifications	
RoHS	Compliant
Applicable Fiber Types	SMF, MMF, DSF, NZ-DSF, BIF/UBIF
Coating Diameter	100 to 1000µm
Cladding Diameter	80 to 150µm
Cleave Length	5-16mm
Typical Splice Loss, Identical Fibers	SMF: 0.02dB; MMF: 0.01dB; NZ-DSF: 0.04dB
Return Loss	<70dB
Alignment Method	High Resolution Direct Core Monitoring & 3-Axis Core Alignment
Built-In Splice Protection Sleeve Heaters	Dual Independent Auto Splice Sleeve Heaters
Heater Cycle Time	14 Seconds; 60mm Slim Sleeve
Heater Programs Max	100
Typical Splice Time	6 Second Splice Time
Splice Programs Max	300
Attenuation Splicing	0.1 - 15.0dB
Interface	Touch Panel Input & Switches
	Built-in Audio & Video
	SD Memory Card, USB2.0 (USB-mini B)
	DC Input for Car Battery Operation
Power Requirements	Input: 100V to 240V AC; 50/60 Hz; 10-15V DC
DC (Battery Operation)	200 Splices & Heater Cycles; 600 with External Charger
Battery Module	Li-ion; Arc and Heater Cycle Capacity Number
Arc Test	Auto Compensation for Environmental Conditions
Proof Test	Internal 200g
Language Selection	27
Image Display	320X Single (zoom700X) and 88X Dual Fiber Imaging; X/Y with 2 Cameras
Internal Splice Data Storage	10000 (Unlimited with SD card)
Image Storage	200
Electrode Life	3000
Display Positions	Adjustable for Optimal Work Flow
Software Update	Internet
Remote Maintenance	Yes

Fusion and Termination Products

Quantum Type-Q101-CA⁺ Core Alignment Fusion Splicer™

Features (continued):

- Long Life Battery for 200 Splice and Heater Cycles per Charge
- Lynx2 CustomFit® Splice-On Connector Compatibility
- 24-Hour Technical Support via 1-888-SPLICER



Shown with Optional
Lynx2 CustomFit®
Splice-On Connector

Characteristics

Size (mm)	120W x 154D x 130H
Weight	2.1kg with Battery
Display Type	4.1 Color, Low Glare, High Resolution Touch Screen Monitor
Shock - Free Fall	76cm from 5 sides
Waterproof	IPx2
Dustproof	IP5x
Wind Protection	30mph (15m/s)
Battery Docking Bay	Internal

Accessories

Description	Part Number	UOM
Battery Unit	BU-101	1 ea.
250µm Single Fiber Holder	FHS-025	1 pr.
900µm Single Fiber Holder	FHS-09	1 pr.
Spare Electrode	ER-10	1 pr.
Precision Fiber Cleaver with Scrap Fiber Catcher	FC-6S-C	1 ea.
Hand-Held Precision Fiber Cleaver with Automatic Blade Rotation and Catcher	FC-7R	1 ea.
Precision Bench Top Automatic Blade Rotation Cleaver with Catcher	FC-6RS-C	1 ea.
Fiber Protection Sleeves; 40mm, 10 Sleeves	FPS-40-10P	1pk.
Fiber Protection Sleeves; 60mm, 50 Sleeves	FPS-1	1 pk.
Splice Tray Holder	Q101-STH-KIT	set
Dual Bay Battery Charger, Adapter	BC-101	set

Type-Q101-CA-KIT-1- Components:

- Type-Q101-CA Quantum Splicer
- Hard Transit Case
- Work Platform
- AC Adapter
- Standard Battery
- Cleaning Tools
- Fiber Protection Sleeve Cooling Tray
- Manual
- Fiber Optic Stripper

Type-Q101-CA-KIT-2R

- Includes All of Kit-1 Components; Plus FC-7R Hand-Held Automatic Blade Rotation Cleaver

Type-Q101-CA-KIT-2RFH

- Includes All of Kit-1 Components; Plus FC-7R Hand-Held Automatic Blade Rotation Cleaver and Fiber Holders for 250, 900um and LB5

Type-Q101-CA-KIT-6RSC

- Includes All of KIT-1 Components; Plus FC-6RS-C Precision Bench Top Automatic Blade Rotation Cleaver

Type-Q101-CA-KIT-6RSCFH

- Includes All of KIT-1 Components; Plus FC-6RS-C Precision Bench Top Automatic Blade Rotation Cleaver and Fiber Holders for 250, 900um and LB5

Ordering Information

Part Number	Description
Type-Q101-CA-KIT-1	Splicer Kit with Accessories
Type-Q101-CA-KIT-2	Splicer Kit with Accessories and FC-6S-C Cleaver
Type-Q101-CA-KIT-2R	Splicer Kit with Accessories and FC-7R Precision Cleaver
Type-Q101-CA-KIT-2RFH	Splicer Kit with Accessories, FC-7R Precision Cleaver and Fiber Holders (250, 900um & LB5)
Type-Q101-CA-KIT-6RSC	Splicer Kit with Accessories and FC-6RS-C Precision Cleaver
Type-Q101-CA-KIT-6RSCFH	Splicer Kit with Accessories, FC-6RS-C Precision Cleaver and Fiber Holders (250, 900um & LB5)



Quantum Transit
Case as Work
Surface