



## Ribbon Fiber Splicer

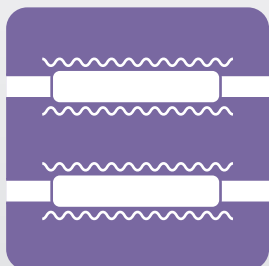
# TYPE-Q102-M12



Useful cloud hosted  
splicer services via  
your smartphone App.



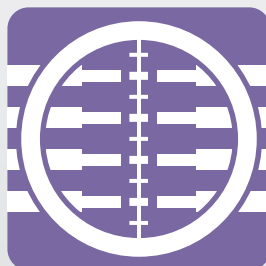
## Industry only dual independent ovens and Auto Clamping Adjustment System "Active-ACAS"



Dual independent ovens  
for productivity



Reduce your work time  
Splicing 11s  
Heating 35s



Active ACAS  
optimizes splice loss  
0.05dB



Touch optimized  
user interface and  
high resolution display

## Specifications

Items		TYPE-Q102-M12
Optical fiber requirements	Material	Silica glass
	Profile types	Single/ SMF(G652), MMF(G651), DSF(G653), NZDSF(G655), BIF(G657)
	Fiber count	1, 2, 4, 5, 6, 8, 10, 12
	Cladding diameter	125µm
	Coating diameter	Single fiber coating dia: 200µm, 250µm, 500µm, 900µm Ribbon fiber thickness: 200-400µm
	Applicable cable	Drop cable(2.0mm×3.1,or2.6mm), Indoor cable(2.0mm×1.6mm)
	Cleave length	10mm
Standard performance	Splice loss (typical) *1	SMF 0.05dB, MMF 0.02dB, DSF 0.08dB, NZDSF 0.08dB
	Splice time (typical)	11sec (SM 12c Quick Mode), 14 sec (SM 12c Std. Mode)
	Heating time (typical)	35sec (FPS-6 sleeves, 40mm 1-12c Quick Mode)
	Splice & heat cycles per battery full charge *2	Approx 180
	Fiber view and magnification	2 CMOS cameras observation, 23X (zoom 46X)
	Proof test	1.96-2.09 N
	Applicable protection sleeve	60mm, 40mm & Sumitomo Electric nano sleeves
Programs	Splice programs	Max 300
	Heating programs	Max 100
Functions	Splice image capture / Splice data storage	200 images / 10,000 splice data (internal memory only) 50,200 images / 20,000 splice data (with 16GB SD card)
	Automatic fiber count detection	Provided
	Automatic arc calibration	Automatically compensates for environmental condition changes
	Auto clamping adjustment system	Provided
	Reversible fiber holder system	Provided
	Dual automatic independent heaters	Provided
	User-selectable heater clamp operation	Provided
	Display of remaining Splice & Heat cycles	Provided (Battery mode)
	Onboard user training video	Provided
	Wireless LAN connectivity (Option) *3	Provided
Size / Weight	Size	128 (W) x 154 (D) x 130 (H) mm (without anti-shock rubber)
	Weight	1.8kg(without Battery) / 2.1kg(with Battery BU-102)
	Monitor	5.0" touch screen color LCD display
	DC output	DC 12V (for JR-6+)
Terminals	USB port	USB2.0 (mini-B type)
	Storage media	SD/SDHC memory card MAX32GB
	AC input	AC 100-240V, 50/60Hz (ADC-16)
Power supply	DC input	DC 10-15V, 7.5A
	Battery pack	Li-ion 10.8V, 6400mAh (BU-102)
Operating condition		Altitude : 0-3,660m, Temperature : -10-50℃, Humidity : 0-95%(non-condensing), Wind velocity : up to 15m/sec
Storage condition		Temperature : -40-80℃, Humidity : 0-95%, Battery : -20-30℃ (long term)
Electrode life *4		1,500 arc discharges
Software updates		Internet
Data management		Can be stored, edited and analyzed by dedicated PC software

\*1 : Average value of the final inspection in room temperature with Sumitomo Electric identical fiber. Measured by cut-back method relevant to ITU-T and IEC standards.

\*2 : Splice & Heat cycles may vary depending on the battery status and the operating environment.

\*3 : Wireless LAN connectivity is not available in all countries. For more details, please refer to our website. <http://global-sei.com/sumitomo-electric-splicers/>

\*4 : Achieved in lab condition. Electrode life may vary depending on the operating environment.

## Environmental Durability\*

	Test details
Shock resistance	Drop from 76cm on 5 faces (excluding top face)
Impact resistance	Equivalent to IK07 on LCD monitor
Water resistance	Equivalent to IPx2
Dust resistance	Equivalent to IP5x

\*Splicer operation after shock, impact, water or dust tests, was confirmed under battery power, by Sumitomo Electric.  
Does not guarantee the product will not be damaged by these conditions.



Handy cleaver  
FC-8R series



Table-top cleaver  
FC-6 / FC-6R series



Hot jacket remover  
JR-6+

## Ordering Information

Part Number	Description
TYPE-Q102-M12-KIT-6RM1	TYPE Q102-M12 Quantum Compact Mass Fusion Splicer Kit with Dual Built-in Heat Shrink Ovens, includes Mass Fiber Cleaver (FC-6RM- C), Heated Fiber Stripper (JR-6+), Splice Protection Sleeves (FPS-6 type), pair of 12-Fiber Holders (FHM-12), pair of 250um single fiber holders (FHS-025), Shipping Case, one set of Spare Electrodes (ER-10), Cooling Tray, AC Interface/Battery Charger with Power Cord, Battery Unit (BU-102), Cleaning Kit (FUS-CLN- KIT)
TYPE-Q102-M12-KIT-6RM2	TYPE Q102-M12 Quantum Compact Mass Fusion Splicer Kit with Dual Built-in Heat Shrink Ovens, includes Mass Fiber Cleaver (FC-6RM- C), Heated Fiber Stripper (JR-6+), Splice Protection Sleeves (FPS-6 type), pair of 12-Fiber Holders (FHM-12), pair of 250um single fiber holders (FHS-025), Shipping Case, one set of Spare Electrodes (ER-10), Cooling Tray, AC Interface/Battery Charger with Power Cord, Battery Unit (BU-102), Ribbonizing Tool and Consumable Kit, Cleaning Kit (FUS-CLN-KIT)
TYPE-Q102-M12-KIT-8RM1	TYPE Q102-M12 Quantum Compact Mass Fusion Splicer Kit with Dual Built-in Heat Shrink Ovens, includes Mass Fiber Cleaver (FC-8R), Heated Fiber Stripper (JR-6+), Splice Protection Sleeves (FPS-6 type), pair of 12-Fiber Holders (FHM-12), pair of 250um single fiber holders (FHS-025), Shipping Case, one set of Spare Electrodes (ER-10), Cooling Tray, AC Interface/Battery Charger with Power Cord, Battery Unit (BU-102), Cleaning Kit (FUS-CLN-KIT)
TYPE-Q102-M12-KIT-8RM2	TYPE Q102-M12 Quantum Compact Mass Fusion Splicer Kit with Dual Built-in Heat Shrink Ovens, includes Mass Fiber Cleaver (FC-8R), Heated Fiber Stripper (JR-6+), Splice Protection Sleeves (FPS-6 type), pair of 12-Fiber Holders (FHM-12), pair of 250um single fiber holders (FHS-025), Shipping Case, one set of Spare Electrodes (ER-10), Cooling Tray, AC Interface/Battery Charger with Power Cord, Battery Unit (BU-102), Ribbonizing Tool and Consumable Kit, Cleaning Kit (FUS-CLN-KIT)
TYPE-Q102-M12-KIT-MPO1	TYPE Q102-M12 Quantum Compact Mass Fusion Splicer Kit with Dual Built-in Heat Shrink Ovens, includes Mass Fiber Cleaver (FC-6RM- C), Heated Fiber Stripper (JR-6+), Splice Protection Sleeves (FPS-6 type), pair of 12-Fiber Holders (FHM-12), pair of 250um single fiber holders (FHS-025), Shipping Case, one set of Spare Electrodes (ER-10), Cooling Tray, AC Interface/Battery Charger with Power Cord, Lynx2 MPO Assembly Tool System, Consumable Kit, Lynx Shears, 2mm/3mm Cord Tool, Lynx MPO Metal Holder, Cleaning Kit (FUS-CLN-KIT)
TYPE-Q102-M12-KIT-MPO2	TYPE Q102-M12 Quantum Compact Mass Fusion Splicer Kit with Dual Built-in Heat Shrink Ovens, includes Mass Fiber Cleaver (FC-6RM- C), Heated Fiber Stripper (JR-6+), Splice Protection Sleeves (FPS-6 type), pair of 12-Fiber Holders (FHM-12), pair of 250um single fiber holders (FHS-025), Shipping Case, one set of Spare Electrodes (ER-10), Cooling Tray, AC Interface/Battery Charger with Power Cord, Battery Unit (BU-102), Lynx2 MPO Assembly Tool System, Consumable Kit, Lynx Shears, 2mm/3mm Cord Tool, Lynx MPO Metal Holder, Cleaning Kit (FUS-CLN-KIT)