

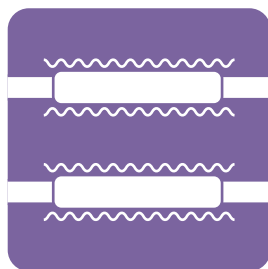


Mass fusion splicer  
for up to 12 fiber ribbon

# TYPE-Q101-M12



**Industry only dual independent heaters and Auto Clamping Adjustment System "ACAS"**



Two Independent Heaters for High Productivity



Touch Screen Control Panel



Durable & Rugged

## Specifications

Items		TYPE-Q101-M12
Optical fiber requirements	Material	Silica glass
	Profile types	SMF (G.652), MMF (G.651), DSF (G.653), NZDSF (G.655), BIF (G.657)
	Fiber count	1, 2, 4, 5, 6, 8, 10, 12
	Cladding diameter	125 μm
	Coating diameter	Single fiber coating dia: 250 μm, 500 μm, 900 μm Ribbon fiber thickness: 250-400 μm
	Applicable cable	Drop cable (2.0mm×3.1 or 2.6mm), Indoor cable (2.0mm×1.6mm)
Standard performance	Cleave length	10mm
	Splice loss (typical) *1	SMF:0.05dB, MMF:0.02dB, DSF:0.08dB, NZDSF:0.08dB
	Splice time (typical)	9sec (with single SMF) 14sec (with 12C SMF)
	Heating time (typical)	Approx. 55 sec (with FPS-6 sleeve)
	Splice & heat cycles per battery full charge *2	Approx. 110 (with BU-11)
	Fiber view and magnification	2 CMOS cameras observation, 23X (zoom : 46X)
Programs	Proof test	1.96N -2.09N
	Splice programs	Max. 200
Functions	Heating programs	Max. 100
	Splice image capture / Splice data storage	64 images/10,000 splices
	Onboard user training video	Provided
	Auto-start	Splice/Heating
	Automatic arc calibration	Automatically compensates for environmental condition change
	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)
	Automatic fiber count detection	Provided
Remote interactive maintenance	Provided	
Size / Weight	Size	120 (W) x 154 (D) x 130 (H) mm (without anti-shock rubber)
	Weight	1.7kg (without Battery) / 1.9kg (with Battery BU-11S) / 2.0kg (with Battery BU-11)
	Monitor	4.1 inch color LCD monitor with touchscreen
Terminals	DC output	DC 12 V (for JR-6)
	USB port	USB2.0 mini-B
	Storage media	SD and SDHC
Power supply	AC input	100-240V, 50/60Hz
	DC input	10-15V, 4.5A
	Battery pack	Li-ion 11.1V, 4,600mAh (BU-11)
Operating condition	Altitude: 0 to 3,660 m, Temperature: -10°C to +50°C, Humidity: 0% to 95% (non-condensing), Wind velocity: up to 15 m/s	
Storage condition	Temperature: -40°C to +80°C, Humidity: 0% to 95% (non-condensing), Battery: -20 - +30°C (long term)	
Electrode life *3	1,500 arcs discharges	
Software updates	Internet	
Data management	Can be stored, edited and analyzed by dedicated PC software	

\*1 : With Sumitomo identical fibers (in room temperature). 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 : Electrode life may vary depending on the operating environment.

## Environmental Durability\*

	Test details
Shock resistance	Drop from 76cm on 5 faces (excluding top face)
Water resistance	Equivalent to IPX2 (Operates normally after being exposed to water dripping at 3mm/min, for at least 2.5 min on each of 4 surfaces tilted at 15°)
Dust resistance	Equivalent to IP5x (Operates normally after 8 hours in a dust chamber containing dust of particle size 75μm or below)

\*Confirms the battery operation in tests carried out by Sumitomo. Does not guarantee that the product is free of faults or damage.

## Basic Accessories

Part name	Test details	Qty.
AC adapter	PC-Q101	1 pc
AC power cord	PC-AC2	1 pair
Cooling tray	Q101-CT-001	1 pc
Spare electrode	ER-10	1 pc
Operating CD manual	—	1 pc
Quick reference guide	—	1 pc
Carrying case with worktable	SC-Q101	1 pc
Hand strap	—	—
USB cable	—	—

At least, the above basic accessories come with splicer main body. Some additional accessories may be or may not be included as a splicer standard kit contents. The standard splicer kit contents varies in each region/country. Please ask details to your nearest distributors.

## Ordering Information

Part Number	Description
TYPE-Q101-M12-KIT-6RM1	TYPE Q101-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-101), Cleaning Kit (FUS-CLN-KIT)
TYPE-Q101-M12-KIT-6RM2	TYPE Q101-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-101), Ribbonizing Tool and Consumable Kit, Cleaning Kit (FUS-CLN-KIT)
TYPE-Q101-M12-KIT-8RM1	TYPE Q101-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-101), Cleaning Kit (FUS-CLN-KIT)
TYPE-Q101-M12-KIT-8RM2	TYPE Q101-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-101), Ribbonizing Tool and Consumable Kit, Cleaning Kit (FUS-CLN-KIT)
TYPE-Q101-M12-KIT-MPO1	TYPE Q101-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-Q101-M12-KIT-MPO2	TYPE Q101-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-101), Lynx2 MPO Assembly Tool System, Consumable Kit, Lynx Shears, 2mm/3mm Cord Tool, Lynx MPO Metal Holder, Cleaning Kit (FUS-CLN-KIT)

## Accessories

	Part name	Part No.	Remarks
Accessories for Splicer	Fiber holder	FHS-025	0.25 mm single fiber
		FHS-09	0.9 mm single fiber
		FHD-1	For drop and indoor cables (single fiber)
		FHC-3	3 mm cable
		FHM-2	For 2-fiber ribbon
		FHM-4	For 4-fiber ribbon
		FHM-5	For 5-fiber ribbon
		FHM-6	For 6-fiber ribbon
		FHM-8	For 8-fiber ribbon
		FHM-10	For 10-fiber ribbon
		FHM-12	For 12-fiber ribbon
		Accessories	Battery pack
AC adapter	PS-Q101		For TYPE-Q101 series and BC-11
Car battery cable	PCV-11		For car battery operation (cigarette socket type)
Electrodes	ER-10		—
V-groove cleaning jig	VGB-003-CR		Brush for cleaning V-groove
Battery charger	BC-101		Battery charger for BU-11S/11
Fiber cleaver	FC-6RM-C		Fiber cleaver for single fiber and up to 12-fiber ribbon
Handheld fiber cleaver	FC-8R		Handheld fiber cleaver for single fiber and up to 12-fiber ribbon
Jacket remover	JR-M03		Jacket remover for single fiber
	JR-6		Hot jacket remover for ribbon fiber
Fiber protection sleeve	FPS-1		60 mm sleeve for single fiber
	FPS-40-10P		40 mm sleeve for single fiber
	FPS-6-5P	40 mm sleeve for single fiber and up to 8-fiber ribbon	
	FPS-6	40 mm sleeve for single fiber and up to 12-fiber ribbon	
	FPS-61-2.6	60 mm sleeve for single-fiber drop, and indoor cables	
Alcohol dispenser	HL-3	Alcohol dispenser	