

Handheld fusion splicer

TYPE-QH201e-VS



Lightweight, Tough, Handy



Handy size for working
in small spaces



Touch Screen
Control Panel



Durable & Rugged

Specifications

Items		TYPE-QH201e-VS
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
	Cladding diameter	125um
	Coating diameter	250um, 500um, 900um
Applicable cable	Drop cable(2.0mm×3.1 or 2.6mm), Indoor cable(2.0mm×1.6mm)	
	Cleave length	5-10mm
Standard performance	Splice loss (typical) *1	SMF:0.05dB, MMF:0.03dB, DSF:0.08dB, NZDSF:0.08dB (With identical Sumitomo fibers)
	Splice time (typical)	Approx. 11 sec (1C SMF)
	Heating time (typical)	Approx. 30 sec (with FPS-61-2.6 sleeve)
	Splice & heat cycles per battery full charge *2	Approx. 100 (with BU-12L)
	Fiber view and magnification	2 CMOS cameras: 72X (ZOOM:216X)
Proof test		1.96-2.09N
	Splice programs	Max. 200
Heating programs		Max. 100
	Splice image capture/Splice data storage	64 images/10,000 splices
Functions	Onboard user training video	Provided for basic operation and daily maintenance
	Auto-start	Splice/Heating
	Automatic arc calibration	Automatically optimizes arc power according to environmental conditions (Auto mode)
	Automatic fiber count detection	-
	Remote interactive maintenance	Provided
Size / Weight	Size	110(W)×140(D)×89(H)mm
	Weight	700g (without Battery) / 850g (with Battery BU-12S) / 940g (with Battery BU-12L)
Terminals	USB port	USB2.0 mini-B
	Storage media	microSD and microSDHC
Power supply	AC input	100-240V, 50 / 60Hz
	DC input	10-15V, 4.5A
	Battery pack	Li-ion 11.1V, 3,060mAh(BU-12L)
Operating condition	Altitude: 0 - 3,660 m, Temperature: -10 - +50°C, Humidity: 0 - 95% (non-condensing), Wind velocity: up to 15 m/s	
Storage condition	Temperature: -40 - +80°C, Humidity: 0 - 95% (non-condensing), Temperature for battery: -20 - +30°C(long term)	
Electrode life *3	3,000 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	Operates normally after being dropped from 76 cm onto one face (bottom).
Water resistance	Equivalent to IPX2 (Operates normally after being exposed to water dripping at 3 mm/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 Electric. Does not guarantee that the product is free of faults or damage.

Basic Accessories

Part name	Part No.	Qty.	TYPE-QH201e-VS
Power supply	PS-Q201	1 pc	○
Spare electrodes	ER-11	1 pc	○
Operating CD manual	-	1 pair	○
Carrying case	SC-Q201-HC	1 pc	○
USB cable	FHS-Q25	1 pc	○
Fiber holder	FHS-Q25	1 pc	○
	FHS-Q09	1 pair	○

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.

Optional Accessories

	Part name	Part No.	TYPE-QH201e VS	Description
Optical accessories for Splicer	Electrode	ER-11	○	Electrodes for TYPE-QH201e
	Carrying case	SC-Q201-HC	○	Hard case
		SC-Q201-SC	○	Soft case
	Battery pack	BU-12	○	Standard battery
		--	○	Large-capacity battery
	Battery charger	BC-12	○	For BU-12S and BU-12L
	AC adapter	PS-Q201	○	For TYPE-QH201e main unit and BC-12
	Power cord	PC-AC2	○	For AC adapter
	Cooling tray	FCT-201	○	For cooling fiber protection sleeves
	Alcohol dispenser	HL-3	○	Alcohol dispenser
	Neck strap	NS-201	○	Neck strap for TYPE-QH201e
	Work table	WT-201	○	Work table designed exclusively for TYPE-QH201e
	Fiber holder	FHS-Q25	○	For φ0.25 mm single fiber
		FHS-Q09	○	For φ0.9 mm single fiber
		FHM-2	-	For 2-fiber ribbon
FHM-4		-	For 4-fiber ribbon	
FHD-1		○	For drop and indoor cables (single fiber)	
Transfer tool	Lynx2-UML-S	○	For φ3 mm cord and φ0.9 mm single fiber	
	--	○	To prevent twisting while transferring drop or thin cables	
V-groovecleaning brush	VGT-2	○	Brush for cleaning V-groove	
Other accessories	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	○	60mm sleeve for single fiber	
	FPS-40-10P	○	40mm sleeve for single fiber	
	FPS-6-5P	○	60mm pre-shrunk sleeve for single fiber	

Ordering Information

Part Number	Description
TYPE-QH201e-VS-KIT-1H	TYPE QH201e-VS Quantum Handheld Fusion Splicer Kit includes 250um and 900um Fiber Holders, Fiber Stripper (JR-M03), One Pack of Fiber Protection Sleeves, Hard Shipping Case, one set of Spare Electrodes (ER-11), AC Interface/Battery Charger with Power Cord, Battery Unit (BU-12L), Cleaning Kit (FUS-CLN-KIT)
TYPE-QH201e-VS-KIT-1B	TYPE QH201e-VS Quantum Handheld Fusion Splicer Kit includes 250um and 900um Fiber Holders, Fiber Stripper (JR-M03), One Pack of Fiber Protection Sleeves, Backpack-Style Transport Bag, one set of Spare Electrodes (ER-11), AC Interface/Battery Charger with Power Cord, Battery Unit (BU-12L), Cleaning Kit (FUS-CLN-KIT)
TYPE-QH201e-VS-KIT-2H	TYPE QH201e-VS Quantum Handheld Fusion Splicer Kit includes Fiber Cleaver (FC-6S), 250um and 900um Fiber Holders, Fiber Stripper (JR-M03), One Pack of Fiber Protection Sleeves, Hard Shipping Case, one set of Spare Electrodes (ER-11), AC Interface/Battery Charger with Power Cord, Battery Unit (BU-12L), Cleaning Kit (FUS-CLN-KIT)
TYPE-QH201e-VS-KIT-2B	TYPE QH201e-VS Quantum Handheld Fusion Splicer Kit includes Fiber Cleaver (FC-6S), 250um and 900um Fiber Holders, Stripper (JR-M03), One Pack of Fiber Protection Sleeves, Backpack-Style Transport Bag, one set of Spare Electrodes (ER-11), AC Interface/Battery Charger with Power Cord, Battery Unit (BU-12L), Cleaning Kit (FUS-CLN-KIT)
TYPE-QH201e-VS-KIT-8RH	TYPE QH201e-VS Quantum Handheld Fusion Splicer Kit includes 250um and 900um Fiber Holders, Precision Cleaver w/ Auto Rotating Blade (FC-8R), Fiber Stripper (JR-M03), One Pack of Fiber Protection Sleeves, Hard Shipping Case, set of Spare Electrodes (ER-11), AC Interface/Battery Charger with Power Cord, Battery Unit (BU-12L), Cleaning Kit (FUS-CLN-KIT)
TYPE-QH201e-VS-KIT-6RSCH	TYPE QH201e-VS Quantum Handheld Fusion Splicer Kit includes 250um and 900um Fiber Holders, Precision Cleaver w/ Auto Rotating Blade (FC-6RS-C), Fiber Stripper (JR-M03), One Pack of Fiber Protection Sleeves, Hard Shipping Case, set of Spare Electrodes (ER-11), AC Interface/Battery Charger with Power Cord, Battery Unit (BU-12L), Cleaning Kit (FUS-CLN-KIT)
TYPE-QH201e-VS-KIT-6RSCB	TYPE QH201e-VS Quantum Handheld Fusion Splicer Kit includes 250um and 900um Fiber Holders, Precision Cleaver w/ Auto Rotating Blade (FC-6RS-C), Fiber Stripper (JR-M03), One Pack of Fiber Protection Sleeves, Backpack-Style Transport Bag, set of Spare Electrodes (ER-11), AC Interface/Battery Charger with Power Cord, Battery Unit (BU-12L), Cleaning Kit (FUS-CLN-KIT)