

SPECIFICATIONS

ITEM		SPECIFICATION
Fiber alignment method		Active core alignment
Fiber count can be spliced		Single fiber
Applicable fiber	Fiber type	Single mode optical fiber Multi mode optical fiber
	Cladding dia.	80 to 150μm
Applicable coating	Sheath clamp	Coating dia. : Max. 3,000μm Cleave length : 5 to 16mm *1
Fiber splice performance	Splice loss *2	ITU-T G.652 : Avg. 0.02dB ITU-T G.651 : Avg. 0.01dB ITU-T G.653 : Avg. 0.04dB ITU-T G.655 : Avg. 0.04dB ITU-T G.657 : Avg. 0.02dB
	Splice time *3	SM FAST mode : Avg. 7 to 9sec. AUTO mode : Avg. 14 to 16sec.
Applicable protection sleeve	Sleeve type	Heat shrinkable sleeve
	Sleeve length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time *4	60mm slim mode : Avg. 9 to 10sec. 60mm mode : Avg. 13 to 15sec.
Fib er tensile test force		Approx. 2.0N
Electrode life *5		Approx. 5,000 splices
Physical description	Dimensions W	Approx.170mm without projection
	Dimensions D	Approx.173mm without projection
	Dimensions H	Approx.150mm without projection
	Weight	Approx. 2.8kg including battery
Environmental condition	Temperature	Operate : -10 to 50 degreeC Storage : -40 to 80 degreeC
	Humidity	Operate : 0 to 95%RH non-condensing Storage : 0 to 95%RH non-condensing
AC adaptor	Altitude	Max. 5,000m
	Input	AC100 to 240V, 50/60Hz, Max. 1.5A
Battery pack	Type	Rechargeable Lithium Ion
	Output	Approx. DC14.4V / 6,380mAh
	Capacity *6	Approx. 300 splice and heat cycles
	Temperature	Recharge : 0 to 30 degreeC Storage : -20 to 30 degreeC
Display	Battery life *7	Approx. 500 recharge cycles
	LCD monitor	TFT 5 inches with touch screen
Illumination	Magnification	200 to 320x
	V-grooves	LED lamp
Interface	PC	USB2.0 Mini B type
	External LED lamp	USB2.0 A type Approx. DC5V, 500mA
	Ribbon Stripper	Mini DIN 6pin DC12V, Max. 1A
	Wireless *8	Bluetooth 4.1 LE
Data storage	Splice mode	100 splice modes
	Heat mode	30 heat modes
	Splice result	20,000 splices
	Splice image	100 images
Screw hole for tripod		1/4-20UNC
Other features	Automatic functions	Splice mode select by fiber type analysis Discharge power calibration Wind protector : open/close Sheath clamp : open Heater lid : open/close Heater clamp : open/close
	Reference guide	Video and PDF file stored in splicer
	Sheath clamp	Easy sleeve positioning clamp
	Electrode	Replaceable without tool

Notes

*1: Cleave length range depending on fiber type

5 to 16mm : 125 μ m cladding dia. / 250 μ m coating dia.

10 to 16mm : 125 μ m cladding dia. / 400 or 900 μ m coating dia.

5 to 10mm : 80 μ m cladding dia. / 160 μ m coating dia.

*2: Measured with a cut-back method relevant to ITU-T and IEC standard after splicing Fujikura identical fibers. The average splice loss changes depending on the environmental condition and fiber characteristics.

*3: Measured at room temperature. The definition of splice time is from the fiber image appeared in LCD monitor to the estimated loss displayed. The average splice time changes depending on the environmental conditions, fiber type, and fiber characteristics.

*4: Measured at room temperature with the AC adapter. The heat time is defined from the start beep sound to the finish beep sound. The average heat time changes depending on the environmental conditions, sleeve type and battery pack condition.

*5: The electrode life changes depending on the environmental conditions, fiber type and splice modes.

*6: Test condition

(1) Splice and heat time : 2 minutes cycle

(2) Using the splicer power save settings

(3) Using a not degraded battery

(4) At room temperature

The battery capacity changes when testing with different conditions from the above.

*7: The battery capacity decreases to a half after approx. 500 discharge and recharge cycles, The battery life is shortened further when using outside of the storage temperature range, operating temperature range, if completely discharged by storing for a long time without recharging.

*8: Bluetooth® mark and logos are the registered trademarks of Bluetooth SIG, Inc.

*9: Please follow IATA regulation when shipping the battery by air.

ITEM	MODEL	REMARK
Battery pack*9	BTR-15	Battery pack for replacement
Electrodes	ELCT2-16B	Electrodes for replacement
	FH-70-250	250µm coating diameter
	FH-70-900	900µm coating diameter
Fiber holder	FH-FC-20	900µm in 2mm diameter cable
	FH-FC-30	900µm in 3mm diameter cable
DC Adapter	DCA-03	Connect AC adapter not through battery
	DCC-20	Car cigar socket to BTR-15/DCA-03
DC power cord	DCC-21	Car battery to BTR-15/DCA-03
Transfer Clamp	CLAMP-DC-12	Transferring drop cable on work tray
	JP-10	Attaching to splicer, not to work tray
J-Plate	JP-10-FC	JP-10 with fiber clamps
	FP-03	60mm Max. 900µm coating diameter
Protection sleeve	FP-03(L=40)	40mm Max. 900µm coating diameter
	FP-03M	FP-03 with non-magnetic material

DESCRIPTION	MODEL NO.	QTY
Core Alignment Fusion Splicer	90S	1pc
(1) Battery Pack*	BTR-15	1pc
(2) AC Adapter	ADC-20	1pc
(3) AC Power Cord	ACC-14, 15, 16 or 17	1pc
(4) USB Cable	USB-01	1pc
(5) Fusion Splicer Strap	ST-02	1pc
(6) Electrodes (spare)	ELCT2-16B	1pair
(7) Fiber Holder Set Plate	SP-03	1pair
(8) Carrying Case	CC-39	1pc
(9) Work Tray Left	WT-09L	1pc
(10) Work Tray Right	WT-09R	1pc
(11) Work Tray J-Plate	JP-09	1pc
(12) Tripod Screw	TS-03	2pcs
(13) Carrying Case Strap	ST-03	1pc
(14) Alcohol Dispenser	AP-02	1pc
(15) Quick Reference Guide	QRG-02-E, C or J	1pc
Single Fiber Stripper	SS03 or SS01	1pc
Optical Fiber Cleaver	CT50	1pc
(1) Fiber Scrap Collector	FDB-05	1pc
(2) Fiber Setting Plate	AD-10-M24	1pc
(3) Case (for Cleaver)	CC-37	1pc
(4) Hexagonal Wrench	HEX-01	1pc

* Please follow IATA regulation when shipping the battery by air.



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