

 **ACTIVE BLADE**  
MANAGEMENT TECHNOLOGY

 **ACTIVE FUSION**  
CONTROL TECHNOLOGY

 **Fujikura**



**Core Alignment Fusion Splicer**

**88S+**

*Designed to keep you going*

# Specifications

Item	Specification	
Fiber alignment method	Active core alignment	
Fiber count can be spliced	Single fiber	
Applicable fiber	Fiber type	SMF(G.652/657), MMF(G.651), DSF(G.653), NZDSF(G.655)
	Cladding dia.	80 to 150µm
Applicable coating	Sheath clamp	Coating dia. : Max. 3,000µm Cleave length : 5 to 16µm
	Fiber holder	Coating dia. : Refer to options Cleave length : Approx. 10mm
Fiber splice performance	Splice loss	ITU-T G.652 : Avg. 0.02dB
		ITU-T G.651 : Avg. 0.01dB
		ITU-T G.653 : Avg. 0.04dB
		ITU-T G.654 : Avg. 0.04dB
		ITU-T G.655 : Avg. 0.04dB
Splice time	Typical 7 sec.	
Applicable protection sleeve	Sleeve type	Heat shrinkable sleeve
	Sleeve length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time	Typical 9 sec.
Fiber tensile test force	Approx. 2.0N	
Electrode life	Approx. 5,000 splices	
Physical description	Dimensions WxDXH	170 x 173 x 150 mm without projection
	Weight	Approx. 2.8kg including battery
Environmental condition	Temperature	Operate : -10 to 50°C Storage : -40 to 80°C
	Humidity	Operate : 0 to 95%RH non-condensing Storage : 0 to 95%RH non-condensing
	Altitude	Max. 5,000m
AC adaptor	Input	AC100 to 240V, 50/60Hz, Max. 1.5A
	Output	Approx. DC 12V, Max. 7A
DC adaptor	Input	DC10 to 15V, Max.7A
	Type	Rechargeable Lithium Ion
Battery pack	Output	Approx. DC14.4V / 6,380mAh
	Capacity	Approx. 300 splice and heat cycles
	Temperature	Operate : -10 to 50°C
		Recharge : 0 to 40°C
		Storage : -20 to 30°C
Recharge	5 to 8 hours from empty	
Battery life	Approx. 500 recharge cycles	
Display	LCD monitor	TFT 4.9 inches with touch screen
	Magnification	200 to 320x
Illumination	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 *1	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
		Fusion control
		Wind protector : open/close
		Sheath clamp : open
		Splice start
		Heater lid : open/close
		Heater clamp : open/close
	Heater start	
	Special splice	Attenuation splice
	Reference guide	Video and PDF file stored in splicer
	Sheath clamp	Easy sleeve positioning clamp
	Electrode	Replaceable without tool
	Software for PC	Splicer firmware update via internet
Parameter upload and download		
Operating splicer with PC		
Splice image download to PC		

# 88S+ Standard package

Description	Model No.	Qty
(1) Core alignment fusion splicer	88S+	1pc
(2) Battery pack *2	BTR-15	1pc
(3) AC adapter	ADC-20	1pc
(4) AC power cord	ACC-15	1pc
(5) USB cable	USB-01	1pc
(6) Fusion splicer strap	ST-02	1pc
(7) Electrodes (spare)	ELCT2-16B	1pair
(8) Fiber holder set plate	SP-03	1pair
(9) Carrying case	CC-39	1pc
(10) Work tray left	WT-09L	1pc
(11) Work tray right	WT-09R	1pc
(12) Work tray J-plate	JP-09	1pc
(13) Tripod screw	TS-03	2pcs
(14) Alcohol dispenser	AP-02	1pc
(15) Quick reference guide	QRG-02-E	1pc
(16) Wireless, PC and clamp setting guide	SG-03-E	1pc
(17) Warning and cautions	WAC-01-E	1pc
(18) Splice test report	Only english	1pc
(19) Single fiber stripper	SS03	1pc
(20) Optical fiber cleaver	CT-50	1pc
(21) Fiber scrap collector	FDB-05	1pc
(22) Fiber setting plate	AD-10-M24	1pc
(23) Instruction manual	M-CT50-E	1pc
(24) Carrying case strap	ST-03	1pc

# 88S+ Options

Item	Model	Remark
Fiber holder	FH-70-200	200µm coating diameter
	FH-70-250	250µm coating diameter
	FH-70-900	900µm coating diameter
	FH-70-160	160µm coating diameter
	FH-70-500	500µm coating diameter
	FH-60-DC250	250µm in drop wire cable
	FH-FC-20	900µm in 2mm diameter cable
	FH-FC-30	900µm in 3mm diameter cable
FH-60-LT900	900µm loose buffer cable	
DC Adapter	DCA-03	Connect AC adapter not through battery
DC power cord	DCC-20	Car cigar socket to BTR-15/DCA-03
	DCC-21	Car battery to BTR-15/DCA-03
Transfer Clamp	CLAMP-DC-12	Transferring drop cable on work tray
J-Plate	JP-10	Attaching to splicer, not to work tray
	JP-10-FC	JP-10 with fiber clamps

\*1: Bluetooth® mark and logos are the registered trademarks of Bluetooth SIG, Inc.

\*2: Please follow IATA regulation when shipping the battery by air.

