

Fujikura 80C+

NEW

Connecting the Future

**Core-to-Core
Alignment
Splicing 6sec
Tube-heating 9sec**



Single Fiber Fusion Splicer

Fujikura 80C+

Core-to-Core alignment, Dual-axis observation system



- Automated Wind-Protector
- Minimal manual operation, Splice in 4 steps
- Multi-functional carrying case with integrated work station
- Absolute robustness
- Bluetooth capability connection



 **Fujikura**

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SPECIFICATIONS

Applicable fibers	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655)
Cladding dia. / Sheath dia.	80-150µm / 100-3000µm
Cleave length	5mm to 16mm with sheath clamp
Splice mode / heating mode	Total 100 splice modes / 30 heating modes
Splice loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) and 0.04dB (NZDS) Measured by cut-back method relevant to ITU-T and IEC standards.
Return loss	>>60dB
Attenuation splice function	Intentional high splice loss of 0.1dB to 15dB (0.1dB step) can be made for an in-line fixed attenuator.
Splice time	Typical 6sec
Tube heating time	Typical 9sec
Splice result storage	Last 10,000 splices with image capturing
Viewing methods / magnification	2 axis CMOS camera with 4.73" color LCD. X / Y (320X magnification), or both X and Y simultaneously (200X magnification)
Tension test	1.96 to 2.25N
Applicable protection sleeve	60mm, 40mm and Fujikura micro sleeves
No. of splice / heating per battery full charge*	Typical 200 cycles with BTR-09
Electrode life	5000 splices
Wireless Technical Standard	Bluetooth® 4.1** OS: Android 5.0 or above, ios 8.0 or above (iPhone6 above)
Size / weight	146W x 159D x 150H (mm) / 2.7kg (including battery)
Operating condition	Altitude : 0 to 5,000m above sea level, Wind : 15m/sec Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew
Resistance features ²	Shock : 76cm (30Inch) all surface drop Dust : Exposure to dust (0.1 to 500µm dia Alumina Silicate), IP5X Rain : H=10mm/hr for 10min, IPX2
Other features	PC software upgrade / data management
Terminals	USB 2.0 (Mini-B type) connector for PC communication. 6-pin Mini-DIN connector for HJS-02 or HJS-03 power supply.

*1: one(1) splicing and heating cycle per two(2) min. under room temperature condition

*2: Carried out in Fujikura labs in Japan. The shock resistance, dust resistance and rain resistance test do not guarantee that the product will not be damaged under these conditions.

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STANDARD PACKAGE

Description	Model No.	Q'ty
Fusion splicer	80C+	1pc
AC adapter	ADC-18	1pc
AC power cord	ACC-XX	1pc
High Precision fiber cleaver	CT-06	1pc
Battery pack	BTR-09 (Li-Ion)*3	1pc
Battery Charge cord	DCC-18	1pc
J-Plate	JP-06	1pc
Carrying case	CC-30	1pc
Spare electrodes	ELCT2-20A	1pair
Instruction manual CD	M-80+ (Manual and PC software)	1pc
Quick reference guide	Q-80S+	1pc
USB cable	USB-01	1pc
Sleeve loader	SL-01	1pc
Alcohol pot	AP-01	1pc
Screw driver	SD-01	1pc

*3: all senders have to obey the IATA regulation in case of Li-Ion battery transportation by air.

OPTIONAL ITEMS

Description	Model No.	SET
Fiber holder	FH-60-250 (coating dia. 250µm)	1pair
	FH-60-900 (coating dia. 900µm)	1pair
	FH-60-DC250 (coating dia. of 250µm in drop cable)	1pair
	FH-FC-20 (coating dia. of 900µm in 2.0mm Sheath dia.)	1pc
	FH-FC-30 (coating dia. of 900µm in 3.0mm Sheath dia.)	1pair
	FH-60-L1900 (900µm dia. loose buffer fiber)	1pair
High Precision fiber cleaver	CT-30 (for single to ribbon fiber)	1pc
DC power cord	DCC-12 (for cigar-socket)	1pc
	DCC-13 (with alligator clamp)	1pc



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