

EVOLUTION!

**World's Quickest
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.



Fujikura 80C

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 ^{*1}	Typical 200 cycles with BTR-09
Electrode life	5000 splices
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.

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/19S-E	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
High Precision fiber cleaver	FH-60-LT900 (900µm dia. loose buffer fiber)	1pair
	CT-30 (for single to ribbon fiber)	1pc
DC power cord	DCC-12 (for cigar-socket)	1pc
	DCC-13 (with alligator clamp)	1pc

