

Fujikura 80S+

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NEW

Connecting the Future

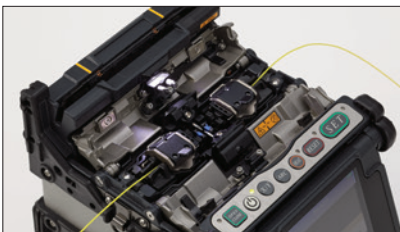
**Core-to-Core
Alignment
Splicing 6sec
Tube-heating 9sec**



Single Fiber Fusion Splicer

Fujikura 80S+

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**

Fujikura 80S+

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
Typical splice loss*1	0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) and 0.04dB (NZDS)
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.
Typical splice time	6sec ULTRA FAST 7sec SM FAST, 10sec SM AUTO
Typical tube heating time	13sec FP-03, coating dia. 250μm 14sec FP-03, coating dia. 900μm 9sec Slim 60mm, coating dia. 250μm
Splice result storage	Last 20,000 splices
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*2	Typical 200 cycles with BTR-09
Electrode life	5000 splices
Wireless connectivity	Wireless technical standard: Bluetooth* 4.1*3 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*4 Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew
Resistance features*5	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 RS02 or RS03 power supply.

*1: Typical value of the inspection with Fujikura identical fiber. Measured by cut-back method relevant to ITU-T and IEC standards.

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

*3: The Bluetooth wireless connection of this product is not guaranteed to work with all smartphones or other devices.

*4: Under strong wind, it is necessary to lengthen the heating time setting.

*5: The shock, dust and rain resistance test do not guarantee the product will not be damaged under these conditions.

• Bluetooth* and Bluetooth logo is a registered trademark of Bluetooth SIG, Inc.



ACCESSORIES

Description	Model No.
Single fiber cleaver	CT08 (for single fiber)
Fiber cleaver	CT50 (for single to 12 ribbon fibers)
Ribbon fiber stripper	RS02, RS03
Protection sleeve	FP-03 / 03 (L=40) and FPS01series

OPTIONAL ITEMS

Description	Model No.	SET
Fiber holder	FH-70-250 (coating dia. 250μm)	1pair
	FH-70-900 (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-LT900 (900μm dia. loose buffer fiber)	1pair
Sheath clamp	CLAMP-S70C (included in standard package)	1pair
	CLAMP-S70D (900μm dia. loose buffer fiber)	1pair
Battery pack	BTR-09 (Li-ion)*6	1pc
Battery charge cord	DCC-18	1pc
DC power cord	DCC-12 (for cigar-socket)	1pc
	DCC-13 (with alligator clamp)	1pc
Electrodes	ELCT2-20A	1pair
J-plate	JP-06	1pc

*6: All senders have to obey the IATA regulation in case of Li-ion battery transportation by air.



Please visit **NEW** web site!

<https://www.fusionsplicer.fujikura.com>

STANDARD PACKAGE

Description	Model No.	Q'ty
Fusion splicer	80S+	1pc
AC adapter	ADC-18	1pc
AC power cord	ACC-XX XX=14 (JP/US), 15 (EU), 16 (UK), 17 (AU)	1pc
Carrying case	CC-30	1pc
Spare electrodes	ELCT2-20A	1pair
Instruction manual CD	M-80+ (Instruction Manual and PC software)	1pc
Quick reference guide	Q-80S+/19S+	1pc
Waning and cautions	W-80-E	1pc
USB cable	USB-01	1pc
Sleeve loader	SL-01	1pc
Alcohol pot	AP-01	1pc
Screw driver	SD-01	1pc

STANDARD PACKAGE



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