

FUJIKURA 80S PLUS FUSION SPLICER



Single Fiber Fusion Splicer

Fujikura 80S+

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

Fujikura 80S + is the new standard core alignment fusion splicer covering varied splicing needs in those fields with a series of innovative features, such as automated wind protector / tube heaters, 6 seconds splicing and 9 seconds tube heating, ruggedized body, improved carrying case, wireless communication functions, etc. They are all for great splicing efficiency.

Features:

- Core-to-Core Alignment
- Splicing 6sec, Tube-heating 9sec
- Automated Wind-Protector
- Minimum manual operation, Splice in 4 steps
- Multi-functional carrying case with integrated work station
- Absolute robustness
- Bluetooth capability connection

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Specifications:

ITEM	SPECIFICATIONS
Applicable type of fibers	SM(ITU-T G.652 / G.657), MM(ITU-T G.651), DS(ITU-T G.653), NZDS(ITU-T G.655) and other single mode fibers
Fiber count	Single
Applicable fiber dimensions	Cladding diameter : 80 to 150µm Coating diameter : 100 to 3000µm
Cleave length	5mm to 16mm with sheath clamp
Splicing mode / Heating mode	Total 100 splice modes / 30 heating modes
Typical splice loss	0.02dB with SM, 0.01dB with MM, 0.04dB with DS and 0.04dB with 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	6 sec ULTRA FAST, 7 sec SM FAST, 10 sec SM AUTO
Typical tube heating time	13 sec FP-03, coating dia.250um, 14 sec FP-03, coating dia. 900um, 9 sec Slim 60mm, coating dia. 250um
Splice result storage	Last 20,000 splices
Viewing methods / magnification	2 axis CMOS camera and 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
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 Temperature : -10 to 50°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 feature	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:one(1) splicing and heating cycle per two(2) min. under room temperature condition.

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

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

Ordering Information:

Description	Model No.	Qty
Main Body	80S+ (English and Simplified Chinese Language)	1 pc
AC Adapter	ADC-18	1 pc
Power Cord	ACC-16 (UK)	1 pc
Carrying Case	CC-30	1 pc
Electrode	ELCT2-20A	1 pair
Manual and software	M-80+ (Instruction manual and PC software)	1 pc
Quick Start Guide	Q-80S+/19S+-E (English)	1 pc
Warning and Caution	W-80-E	1 pc
USB Cable	USB-01	1 pc
Sleeve Loader	SL-01	1 pc
Alcohol Pot	AP-01	1 pc
Screw Driver	SD-01	1 pc
Cleaver	CT-30A	1 pc
Battery Pack	BTR-09	1 pc
Battery Charge Cord	DCC-18	1 pc

