

Connecting the Future

Wireless data communication



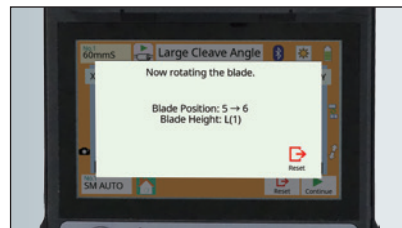
Single Fiber Fusion Splicer

Fujikura 41S

Active V-groove Alignment



Large cleave angle error



Screen on the splicer



Auto blade rotating

- Easy protection sleeve positioning **Newly Installed**
- Warm splice image estimation
- Tool less replaceable electrode
- Multi-functional carrying case with integrated work station

Fujikura 41S

SPECIFICATIONS

Applicable fiber	Single / SMF(G.652/657), MMF(G.651), DSF(G.653), NZDSF(G.655)
Cladding dia. / Sheath dia.	125µm / 250, 900, 2000 to 3000µm fiber with sheathclamp
Cleave length	5mm to 16mm with sheathclamp
Splicing mode / Heating mode	Total 100 splicing modes / 30 heating modes
Typical splice loss*1	0.03dB(SM), 0.01dB(MM), 0.05dB(DS) and 0.05dB(NZDS)
Return loss	60dB or greater
Typical splice time	6sec. SM FAST, 9sec. SM AUTO
Typical tube heating time	25sec. FP-03
Splice result storage	Last 10,000 splices
Viewing methods / Magnification	2 axis 2CMOS camera with 5.0" color LCD. 132X magnification. 200X,300X magnification after splicing
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-11A
Electrode life	Typical 5000 splices
Wireless data communication	Wireless technical standard : Bluetooth®4.1LE*3
Dimensions / Weight	131(W) x 201(D) x 79(H) mm excluding rubber / 1.3kg (including battery)
Operating condition	Altitude : 0 to 5,000m above sea level, Wind : 15m/sec **4 Temperature : -10 to 50deg C, Humidity : less than 95%RH, non-dew
Resistance feature*5	Shock resistance : 76cm (30inch) bottom surface drop Dust resistance : Exposure to dust (0.1 to 500µm dia. Alumina Silicate) Rain resistance : H=10mm/hr for 10min
Other features	PC software upgrade / data management
Terminals	USB 2.0 (Mini-B Type) connector for PC communication, USB 2.0(host)

*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 data communication may not function properly to certain 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.



STANDARD PACKAGE

Description	Model No.	Q'ty
Fusion splicer	41S with BTR-11A, ELCT2-16B and CLAMP-S31A	1pc
Set plate	SP-31	1pair
AC adapter	ADC-19A	1pc
AC power cord	ACC-XX XX=08(JP),09(US),10(UK),11(EU),12(AU)	1pc
Carrying case	CC-36	1pc
Spare electrodes	ELCT2-16B	1pair
Single fiber stripper	SS03 (for single 250, 900, 2000 to 3000µm fiber)	1pc
Instruction manual	M-41	1pc
Quick reference guide	Q-41S-E	1pc
Alcohol pot	AP-02	1pc

OPTIONAL ITEMS

Description	Model No.
Fiber holder	FH-70-250 (coating dia. of 250µm)
	FH-70-900 (coating dia. of 900µm)
	FH-60-DC250 (coating dia. of 250µm in drop cable)
	FH-FC-20 (coating dia. of 900µm in 2.0mm Sheath dia.)
	FH-FC-30 (coating dia. of 900µm in 3.0mm Sheath dia.)
Sheathclamp	FH-60-LT900 (900µm dia. loose buffer fiber)
	CLAMP-S31A (included in standard package) CLAMP-S31B (900µm dia. loose buffer fiber)
Battery pack	BTR-11A (Li-ion)*6
Electrodes	ELCT2-16B

*6:Please be aware the IATA regulation in case of shipping by air.



Please visit our web site!

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

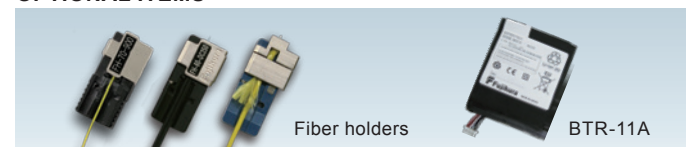
ACCESSORIES

Description	Model No.
Fiber cleaver	CT50 (for single to 12 ribbon fibers)
Single fiber stripper	SS01 (for single 250µm fiber)
Protection sleeve	FP-03 / FP-03 (L=40) and FPS01series

STANDARD PACKAGE



OPTIONAL ITEMS



Specifications and descriptions are subject to change without prior notice. ©2018 Fujikura Ltd.

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