



Core Sense Splicer



Single Fiber Fusion Splicer **Fujikura 41S** Active V-groove Alignment







- Easy protector positioning
- Core loss estimation function
- \bigcirc Touch panel with easy operation
- Bluetooth Connection Capability
- 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.	125 μm / Up to 3mm with sheathclamp	
Cleave length	5mm to 16mm with sheathclamp	
Splice mode / heating mode	Total 100 splice modes / 30 heating modes	
Typical splice loss*1	0.03dB (SM), 0.01dB(MM), 0.05dB(DS) and 0.05dB(NZDS)	
Return loss	>>60dB	
Typical splice time	6sec SM FAST, 9sec SM AUTO	
Typical tube heating time	24sec FP-03, coating dia.250µm 25sec FP-03 ,coating dia.900µm	
	19sec Slim60mm, coating dia.250µm 16sec Slim40mm, coating dia.250µm	
Splice result storage	Last 10,000 splices	
Viewing methods / magnification	2 axis 2CMOS camera with 5.0" color LCD. 132X magnification.200X 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-11	
Electrode life	Typical 5000 splices	
Wireless connectivity	Wireless technical standard : Bluetooth®4.1LE*3	
Size / weight	131W x 201D x 79H mm / 1300g (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	
	Shock resistance : 76cm (30inch) bottom surface drop	
Resistance feature*5	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 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.

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STANDARD PACKAGE

Description	Model No.	Q'ty
Fusion splicer	41S with BTR-11, 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	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.)
	FH-60-LT900 (900µm dia. loose buffer fiber)
Sheathclamp	CLAMP-S31A (included in standard package)
	CLAMP-S31B (900µm dia. loose buffer fiber)
Battery pack*6	BTR-11 (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

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ACCESSORIES

Description	Model No.	
Single fiber cleaver	CT08 (for single fiber)	
Fiber cleaver	CT50 (for single to 12 ribbon fibers)	
Single fiber stripper	SS01	
Ribbon fiber stripper	RS03	
Protection sleeve	FP-03 / FP-03 (L=40) and FPS01series	

STANDARD PACKAGE



OPTIONAL ITEMS



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1-5-1, Kiba, Koto-ku, Tokyo 135-8512, Japan	
Phone:+81-3-5606-1164 Fax:+81-3-5606-1534	http://www.fujikura.com

438A Alexandra Road, Block A Alexandra Technopark #08-03 Singapore 119967 Phone:+65-6-278-8955 Fax:+65-6-278-0965 http://www.fujikura.com.sg

C51 Barwell Business Park, Leatherhead Road, Chessington, Surrey KT9 2NY, UK Phone:+44-20+8240-2000 Fax:+44-20-8240-2010 http://www.fujikura.co.uk

260, Parkway East, Duncan, SC29334, USA

Phone:+1-800-235-3423 Fax:+1-800-926-0007 http://www.aflglobal.com

7th Floor, Shanghai Hang Seng Bank Tower, 1000 Lujiazui Ring Road, Pudong New Area, Shanghai, 200120 CHINA Phone:+86-21-6841-3636 FAX +86-21-6841-2070

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