

Core Sight Splicer



Single Fiber Fusion Splicer

Fujikura 41S

Active V-groove Alignment



- Core loss estimation function
- Touch panel with easy operation
- Bluetooth capability connection
- 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 | 25sec FP-03, 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 OS : Andoroid 5.0 or above, ios 8.0 or above (iphone6 above) |
| 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 |
| Resistance feature*5 | Shock resistance : 76cm (30inch) bottom surface drop Dust resistance : Exposure to dust (0.1 to 500μm dia. Alumina Silicate) ,IP5X Rain resistance : H=10mm/hr for 10min ,IPX2 |
| Other features | PC software upgrade / data management |
| Terminals | USB 2.0 (Mini-B type) connector for PC communication. |

*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.



STANDARD PACKAGE

| Description | Model No. | Q'ty |
|-----------------------|---|-------|
| Fusion splicer | 41S with BTR-11 and ELCT2-16B | 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 |

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 | RS02 / RS03 |
| Protection sleeve | FP-03 / FP-03 (L=40) and FPS01series |

OPTIONAL ITEMS

| Description | Model No. |
|----------------|---|
| Fiber holder | FH-60-250 (coating dia. of 250μm) |
| | FH-60-900 (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:all senders have to obey the IATA regulation in case of Li-ion battery transportation by air.

STANDARD PACKAGE



OPTIONAL ITEMS



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