

# Fujikura 70S+

## Connecting the Future

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



Single Fiber Fusion Splicer

# Fujikura 70S+

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



- Automated Wind-Protector
- Minimum manual operation, Splice in 4 steps
- Multi-functional carrying case with integrated work station
- Absolute robustness
- Bluetooth capability connection



 **Fujikura**

# Fujikura 70S+

## 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<br>7sec SM FAST, 10sec SM AUTO  |
| Typical tube heating time                         | 13sec FP-03, coating dia.250µm<br>14sec FP-03, coating dia.900µm<br>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.<br>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                                    | Typical 5000 splices  |
| Wireless connectivity                             | Wireless technical standard : Bluetooth® 4.1LE*3<br>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<br>Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew                        |
| Resistance features*5                             | Shock : 76cm (30inch) all surface drop<br>Dust : Exposure to dust (0.1 to 500µm dia Alumina Silicate), IP5X<br>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,<br>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 FPS01 series    |

## 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 aligator clamp)                          | 1pc   |
| Electrodes          | ELCT2-20A   | 1pair |
| J-plate             | JP-06   | 1pc   |

\*6:All senders must to obey the IATA regulation when transporting Li-ion battery by air.

## STANDARD PACKAGE

| Description           | Model No.                                       | Q'ty  |
|-----------------------|---|-------|
| Fusion splicer        | 70S+  | 1pc   |
| AC adapter            | ADC-18  | 1pc   |
| AC power cord         | ACC-XX<br>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-70+(Instruction Manual and PC software)       | 1pc   |
| Quick reference guide | Q-70S+/19S+                                     | 1pc   |
| Warning and cautions  | W-70-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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