

# Fujikura 70S



# EVOLUTION!

World's quickest splicing 7sec. / tube-heating 14sec.



## Single Fiber Fusion Splicer **Fujikura 70S** Core-to-Core alignment, Dual-axis observation system

### Automated wind-protector.



- World's quickest splicing 7sec. / tube-heating 14sec.
- Minimum manual operation. Splice in 4 steps.
- Multi-functional carrying case with integrated work station.
- Absolute robustness.



## SPECIFICATIONS

|  |   |
|--|---|
| <b>Applicable fibers</b>                                 | Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655)   |
| <b>Cladding dia. / Sheath dia.</b>                       | 80-150µm / 100-3000µm   |
| <b>Cleave length</b>                                     | 5mm to 16mm with sheath clamp   |
| <b>Splice mode / heating mode</b>                        | Total 100 splice modes / 30 heating modes   |
| <b>Splice loss</b>                                       | 0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) and 0.04dB (NZDS)<br>Measured by cut-back method relevant to ITU-T and IEC standards.                    |
| <b>Attenuation splice function</b>                       | Intentional high splice loss of 0.1dB to 15dB (0.1dB step) can be made for an in-line fixed attenuator.   |
| <b>Splice time / tube heating time</b>                   | Typical 7sec with SM / Typical 14sec with FP-03 (60mm) sleeve   |
| <b>Splice result storage</b>                             | Last 2000 splices   |
| <b>Viewing methods / magnification</b>                   | 2 axis CMOS camera with 4.73" color LCD.<br>X / Y (320X magnification), or both X and Y simultaneously (200X magnification)                     |
| <b>Tension test</b>                                      | 1.96 to 2.25N   |
| <b>Applicable protection sleeve</b>                      | 60mm, 40mm and Fujikura micro sleeves   |
| <b>No. of splice / heating per battery full charge*1</b> | Typical 200 cycles with BTR-09  |
| <b>Electrode life</b>                                    | 3000 splices  |
| <b>Size / weight</b>                                     | 146W x 159D x 150H (mm) / 2.8kg (including battery)   |
| <b>Operating condition</b>                               | Altitude : 0 to 5,000m above sea level, Wind : 15m/sec<br>Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew                          |
| <b>Resistance features*2</b>                             | 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 |
| <b>Other features</b>                                    | PC software upgrade / data management   |
| <b>Terminals</b>   | USB 2.0 (Mini-B type) connector for PC communication.<br>6-pin Mini-DIN connector for HJS-02 or HJS-03 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.

## ACCESSORIES

| Description                         | Model No.                                     |
|-------------------------------------|---|
| High precision single fiber cleaver | CT-05 (for single fiber)                      |
| High precision fiber cleaver        | CT-30 series (for single to 12 ribbon fibers) |
| Primary coat stripper               | PS-02   |
| Nylon jacket stripper               | JS-01   |
| Thermal jacket stripper             | HJS-02, HJS-03                                |
| Protection sleeve                   | FP-03 / 03 (L=40) and FPS01series             |

## OPTIONAL ITEMS

| Description         | Model No.   | SET   |
|---------------------|---|-------|
| Fiber holder        | FH-60-250 (coating dia. 250µm)                        | 1pair |
|                     | FH-60-900 (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)*3                                     | 1pc   |
| Battery charge cord | DCC-18  | 1pc   |
| DC power cord       | DCC-12 (for cigar-socket)                             | 1pc   |
|                     | DCC-13 (with alligator clamp)                         | 1pc   |
| Electrodes          | ELCT2-20A   | 1pair |

\*3: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 (Manual and PC software)                      | 1pc   |
| Quick reference guide | Q-70S/19S-E (English)                              | 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



Specifications and descriptions are subject to change without prior notice.

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