

EVOLUTION!

**World's Quickest
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.



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 |
| Splice loss | 0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) and 0.04dB (NZDS) Measured by cut-back method relevant to ITU-T and IEC standards. |
| Attenuation splice function | Intentional high splice loss of 0.1dB to 15dB (0.1dB step) can be made for an in-line fixed attenuator. |
| Splice time | Typical 6sec ULTRA FAST Typical 7sec SM FAST, Typical 10sec SM AUTO |
| Tube heating time | Typical 13sec FP-03, coating dia.250µm Typical 14sec FP-03, coating dia.900µm Typical 9sec Slim 60mm, coating dia.250µm |
| Splice result storage | Last 10,000 splices |
| Viewing methods / magnification | 2 axis CMOS camera with 4.73" color LCD. 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*1 | Typical 200 cycles with BTR-09 |
| Electrode life | 3000 splices |
| Size / weight | 146W x 159D x 150H (mm) / 2.8kg (including battery) |
| Operating condition | Altitude : 0 to 5,000m above sea level, Wind : 15m/sec Temperature : -10 to 50deg C, Humidity : 0 to 95%RH, non-dew |
| Resistance features*2 | Shock : 76cm (30inch) all surface drop Dust : Exposure to dust (0.1 to 500µm dia Alumina Silicate), IP5X 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. 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-06 (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 FPS01 series |

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 |
| Sheath clamp | FH-60-LT900 (900µm dia. loose buffer fiber) | 1pair |
| | CLAMP-S70C (included in standard package) | 1pair |
| Battery pack | CLAMP-S70D (900µm dia. loose buffer fiber) | 1pair |
| Battery charge cord | BTR-09 (Li-ion)*3 | 1pc |
| DC power cord | DCC-18 | 1pc |
| | DCC-12 (for cigar-socket) | 1pc |
| Electrodes | DCC-13 (with alligator clamp) | 1pc |
| | 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 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



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Specifications and descriptions are subject to change without prior notice.

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