

Fujikura FSM-80S Single Fiber Splicer



The FSM-80S is core-to-core alignment single fiber splicer, which is designed for splicing single-count optical fiber for telecommunication use. Shock resistance, dust resistance, and rain resistance....

| Feature | |
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| <p>The FSM-80S is core-to-core alignment single fiber splicer succeeding to FSM-60S. In addition to ruggedized concept, which 60S created, the 80S has a series of new features, such as "Automated wind-protector and tube-heater" for quicker splicing cycle as well as fewer operation steps, "innovative carrying-case design" for quicker preparation, "powerful Li-ion battery" for longer operation, high resolution bigger LCD monitor, and "built-in operation manuals" in various languages. Market is from backbone network installation to opto-electronics components production for quality splice.</p> | |
| Applicable fibres | SM (ITU-T G.652 & G.657), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655), Others |
| Fibre Count | Single |
| Cladding diameter | 80 to 150µm |
| Coating diameter | 100 to 1000µm |
| Fibre cleaved length | 5 to 16mm using Sheath Clamp A, B or 5 to 13mm using FH-60-250, FH-60-900 |
| Actual average splice loss | 0.02dB with SM, 0.01dB with MM, 0.04dB with DS, 0.04dB with NZDS. |
| Splice time | 7sec:SM FAST mode, 12sec :SM AUTO mode, 15sec:AUTO mode |
| Return loss | 60dB or greater |
| Splicing modes | 100 splicer modes are available |
| Splice loss estimate | Several types of core deformations as well as core axis offset are taken into |

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| | account for accurate loss estimate. |
| Attenuation splice function | Intentional high splice loss of 0.1dB to 15dB (0.01dB step) can be made for an inline fixed attenuator |
| Storage of splice result | The last 2000 results to be stored in the internal memory. |
| Magnification | X / Y (300X magnification), or both X and Y simultaneously (160X magnification) |
| Viewing method | By two CMOS cameras for intersecting fiber viewing and 4.73 inches TFT colour LCD monitor |
| Tension test | 1.96 to 2.25N |
| Operating condition | 0-5000m above sea level, 0-95% RH and -10 to 50°C r espectively. |
| Tube heater | Built-in auto-start tube heater with 10 heating modes and up to 20 for reference |
| Tube heat time | 13-15sec. with FP-03 protection sleeve. Total memory of 30 heating modes are available |
| Applicable protection sleeve length | 60mm, 40mm and a series of micro sleeves. |
| No. of splice/heating with battery | 200 times of splicing and heat shrinking under with BTR-09 |
| Power supply | Auto voltage selection from 100 to 240Va.c. or 10 to 15Vd.c. with ADC-18. 14.8Vd.c. with BTR-09 |
| Terminals | USB2.0 (Mini-B) for data and video signal transfer to PC. |
| Wind protection | Up to 15m/s wind velocity |
| Dimensions | 146(W) x 159(D) x 150(H) mm Including wind protector, monitor, and rubber protector Excluding rubber foot |
| Weight | 2.5 kg, with ADC-18 AC adaptor 2.7 kg, with BTR-09 battery |
| Electrode life | 3000 arc-discharges |

Details

Standard Package

| Item | Description | Model No. | Qty |
|------|----------------------------|----------------------------|--------|
| 1 | Fusion Splicer | FSM-80S with CLAMP-S70A | 1 pc |
| 2 | AC adaptor/battery charger | ADC-18 | 1 pc |
| 3 | AC power cord | ACC-XX | 1 pc |
| 4 | Spare Electrodes | ELCT2-20A | 1 pair |
| 5 | Cleaver | CT-30A | 1 pc |
| 6 | Battery Pack | BTR-09 | 1 pc |
| 7 | USB cable | USB-01 | 1 pc |
| 8 | Quick reference guide | M-80S/19S-E | 1 pc |
| 9 | Warning and cautions | W-70-E | 1 pc |
| 10 | Instruction Manual | M-70 | 1 pc |
| 11 | Alcohol Pot | AP-01 | 1 pc |
| 12 | Battery charge cord | DCC-18 | 1 pc |
| 13 | Carrying Case | CC-30 | 1 pc |
| 14 | Screw Driver | SD-01 | 1pc |

Optional Items

| Description | Model No. | Note |
|-----------------------|------------------|---|
| Fiber holder | FH-60-250 | For 250um coating |
| | FH-60-900 | For 900um coating |
| | FH-60-LT900 | For 900um Loose Tube Fiber |
| | FH-60-DC250 | For Drop Cable |
| | FH-60-IDC250 | For Indoor Cable |
| | FH-FC-20/30 | For 2mm/3mm cord |
| Sheath clamp | CLAMP-S70A | Coating diameter from 100um to 1000um (5mm to 16mm cleave) Included in standard package |
| | CLAMP-S70B | 900um diameter loose tube fiber (16mm cleave) |
| DC power cord | DCC-12 | For ADC-11/ADC-13/ADC-18, Cigarette lighter socket type |
| | DCC-12 | For ADC-11/ADC-13/ADC-18, Alligator clamp type |
| Primary Coat Stripper | PS-02 | m fiberμFor single 250 |
| Hot Jacket Stripper | HJS-02 | Standard |