DATA SHEET

FSM-100P+

Specialty fibre fusion splicer

FEATURES

- Fibre Endview Observation System, with ability to rotationally align photonic crystal, non-circular & uniquely structured fibres.
- New IPA2 rotational alignment algorithm including: enhanced octagonal fibre, elliptical core fibre and multicore fibre alignment.
- Splices 80 – 1200µm cladding fibre



TELECOMMUNICATIONS FIBRES	SMF (ITU-T G652), NZDSF (ITU-T G655), MMF (ITU-T G651), EDF, DCF and other specialty fibres
LARGE DIAMETER FIBRE	Conventional silica LDF
PM FIBRE	PANDA and other PMF
FIBRE CLAD DIAMETER	ϕ60µm to 1200µm
FIBRE COATING DIAMETER	ϕ100µm to 2000µm
FIBRE COUNT	Single
CLEAVE LENGTH	Glass clamp: 8mm to 26mm (standard 9mm); Coating clamp: 3mm to 21mm (standard 4mm)
TYPICAL SPLICE LOSS	0.03dB [SMF], 0.05dB [NZDSF/LDF], 0.02db [MMF], 0.06dB [PMF]
SPLICE TIME	15 sec. [SMF/MMF], 25 sec. [NZDSF/LDF], 30 to 50 sec. [PANDA PMF], 70 to 300 sec. [non-PANDA PMF]
TYPICAL POLARISATION CROSSTALK	40dB/0.6° [PANDA PMF], -32dB/1.6° [non-PANDA PMF]
ENDVIEW OBSERVATION SYSTEM	With EndView mirror
RETURN LOSS	>> 60dB
TUBE HEAT TIME	30 sec. [FP-03 40mm], 324 to 45 sec. for FPS-series
SWEEP RANGE	±5mm (arc centre is 0mm)
ELECTRODE LIFE	2500 arc discharges for SMF (ITU-T G.652) splicing with 1mm electrode gap
PROOF TEST	1.96N to 2.45N
MAGNIFICATION	58 to 300 (changeable)
SPLICE MODES	Total 300 modes including Standard, Manual, Power Meter and Attenuation modes)
TUBE HEATING MODES	100
SPLICE RESULT STORAGE	Data from last 2000 results stored in internal memory, 100 images
LANGUAGE	English, Japanese, Chinese, French
DISPLAY	Dual 4.1-inch colour LCD monitors
DIMENSIONS	470mm [W] x 232mm [D] x 160mm [H] excluding rubber feet
WEIGHT	9kg
POWER SUPPLY	AC100-240 V (50/60 Hz) with AC adaptor ADC-15
OPERATING CONDITIONS	0 to 95% RH and 0°C to 40°C
STORAGE CONDITIONS	0 to 95% RH and -40°C to 80°C
TERMINALS	DC19 V 4.5 A power supply, USB 2.0 (Mini-B type) for PC communication, IEEE-488 24 pin for power monitor feedback alignment, two six-pin Mini-DIN connectors for external equipment (HJS-02)

FIBERARC
equipment for telecom

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