

MAUNT®

M10000415
Fusion splicer FSM-100P+, Fujikura



Description

The Fujikura Fusion splicer FSM-100P+ is a powerhouse in technological advancement. Packed with advanced features for precise plasma zone control, LDF (Large Diameter Fiber) welding options and enhanced arc calibration. This unit takes welding to the next level with an enhanced sweep arc (to allow fibres to be tapered longer), a dynamic v-groove that adjusts and advanced PM fibre direction technologies. The FSM-100P+ is also suitable for multicore fibres.

The FSM-100P+ is distinguished from its predecessor, the FSM-100P, by its impressive EndView observation system and electrode rotation capability. In addition, the device offers a larger cladding diameter and an extended sweep length. These innovations are aimed at meeting the demands of a rapidly evolving market.

With a combination of superior functionalities, this Fusion splicer not only offers advanced capabilities for a wide range of welding needs, but also addresses the growing demand for sophisticated welding equipment in the industry.

Brand

Fujikura



Technical specifications

Width	470 mm
Depth	232 mm
Height	160 mm
Weight	9 kg
Return Loss	>>60 dB
Shrinkage time	30 sec for FP-03 (40 mm), 24 to 45 sec for FPS series
Electrode Life	2500 arc discharge, SMF with 1 mm electrode gap
Pull test	1.96 to 2.45 N
Image magnification on LCD	35 to 300 interchangeable
Number of welding programmes	300 for Splice, 100 for heating mode
Number of Splice Data Storage	2000 for splice data, 100 for splice image
Languages	English / Japanese / Chinese / French
Display	Dual 4.1" colour LCD monitor
Power supply	AC100-240 V (50/60 Hz) with AC adapter ADC-15
Operational condition	Respectively 0 to 95%RH and 0 to 40°
Storage conditions	Respectively 0 to 95%RH and -40 to 80°
Terminals	Power supply: DC19 V 4.5 A USB2.0 (mini-B type) for PC communication IEEE-488 24pin for power meter feedback splicing Two 6-pin mini-DIN connectors for external devices

Applicable fibre

Fibre types	SMF (ITU-T-G652, NZDSF (G655), MMF (G651, EDF, DCF LDF (large diameter fibres) and other speciality fibres.
PM fibres	PANDA and other PMF
Cladding diameter	60 to 1200 µm
Coating diameter	100 to 2000 µm
Number of fibres	Single

Cleaver length

Coating Clamp	3-21 mm (standard 4 mm)
Glass Clamp	8-26 mm (standard 9 mm)

Typical Splice loss

SMF	0.03 dB
NZDSF/LDF	0.05 dB
MMF	0.02 dB
PMF	0.06 dB

Typical Splice time

SMF	15 sec
NZDSF/LDF	25 sec



PMF (PANDA)	30 to 50 sec
PMF (non-PANDA)	70 to 300 sec

Typical polarisation

PMF (PANDA)	-40 dB/0.6 deg
PMF (non-PANDA)	-32 dB/1.6 deg

