

# FSM-50S

## Profile Alignment Fusion Splicer

**NEW**

Product

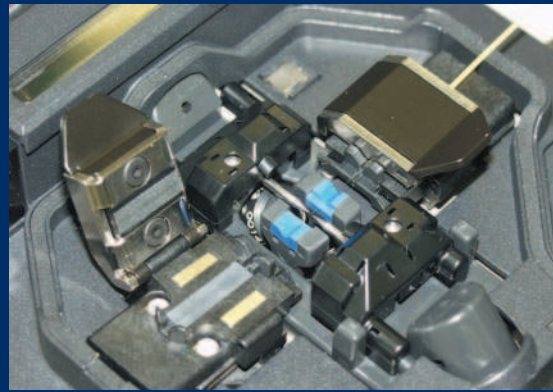


### Features

- Fully automatic core alignment with 9 second splice time for SM fibre
- Reduced splice protector shrink time – now only 35 seconds
- Extremely compact and lightweight – just 2.8kg
- Automatic fibre type identification
- Multi-position monitor for front or top mounting
- High capacity battery option for 120 splice/shrink cycles
- Real time arc calibration
- Fibre clamps integrated into wind protector to reduce operation time



FMS-50S with monitor in Top position



FMS-50S V Groove

## Specifications



■ <b>Fibre types :</b>	Singlemode (ITU-T G.652), multimode (ITU-T G.651), dispersion shifted (ITU-T G.653), non-zero dispersion shifted (ITU-T G.655)
■ <b>Average Splice Loss :</b>	0.02dB with G.652, 0.01dB with G.651 and 0.04dB with G.653 and G.655
■ <b>Return Loss :</b>	60dB or greater
■ <b>Fibre Coating :</b>	100µm to 1000µm
■ <b>Fibre Cladding :</b>	80µm to 150µm
■ <b>Fibre Cleave Length :</b>	8 to 16mm with coating diameter of 250µm or less. 16mm with coating diameter of 250µm to 1000µm
■ <b>Splice Protector Heater :</b>	For all standard and micro splice protectors with protection sleeve centering device
■ <b>Atmospheric Compensation :</b>	Automatic up to 3500 metres altitude with temperature and humidity compensation
■ <b>Proof Test :</b>	1.96N (200gf) standard or 4.41N (450gf) option, mechanical proof test
■ <b>Fibre Viewing Method :</b>	Dual CCD cameras and 5.6" TFT colour LCD monitor
■ <b>Magnification :</b>	295x for single X and Y views. 147x for X/Y view
■ <b>Splice Data Storage :</b>	2000 splice data records
■ <b>Interface :</b>	USB 1.1 for PC interface. RCA video jack
■ <b>Power Supply :</b>	AC : 100 to 240V via AC adaptor ADC-11
■ <b>DC Input:</b>	10 to 15V via ADC-11
■ <b>Detachable Battery Option :</b>	BTR-06S, 4.5Ah, (equivalent splice/shrinks : 60) BTR-06L, 9.0Ah, (equivalent splice/shrinks : 120)
■ <b>Dimensions (WxDxH) :</b>	150mm x 150mm x 150mm
■ <b>Weight :</b>	2.8kg including AC adaptor
■ <b>Operating Temperature :</b>	-10°C to +50°C
■ <b>Storage Temperature :</b>	-40°C to +80°C

## Standard Items

Item	Description
1	FRP carry case
2	ADC-11 AC adaptor/battery charger
3	Instruction manual
4	Spare electrodes

## Optional Accessories

Item	Description
1	BTR-06S – Standard battery
2	BTR-06L – High-capacity battery
3	DCC-10 – Battery charge lead
4	DCC-12 – DC lead (cigarette lighter)
5	DCC-13 – DC lead (croc-clip)
6	JP-04 – J-plate, protector sleeve tray
7	WT-06 – Work table (100mm x 120mm)
8	WTS-06 – Work table support
9	MGS-05 – Magnifier

SPECIFICATIONS AND DESCRIPTIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.