

Fujikura FSM-70S Core Alignment Fusion Splicer

The FSM-70S is the worlds most advanced core alignment fusion splicer available. Combining features such as automated wind cover and heater, the FSM-70S is speed and work flow optimised. With a 7 second splice time and 14 second heat time making it the fastest available, all while delivering Fujikura's renowned low loss splice performance in a compact ultra-ruggedised design.



FEATURES AND BENEFITS

- Fully automated wind cover and heater operation
- FAST! 7 second splice time / 14 second heat time
- Long life battery provides 200 splice / heat cycles
- Extended electrode performance with 3000 splices per set
- Large, high visibility 4.73" colour screen
- 30" drop tested on all six sides
- Fibre holder and FuseConnect™ compatible
- On-board instructional videos
- Transit case with work table

TECHNICAL SPECIFICATIONS

Applicable type of fibres	SM (ITU-T G.652 and G.657), MM (ITU-T G.651), DS (ITU -T G.653), NZDS (ITU-T G.655)
Fibre count	Single
Applicable fibre dimensions	Cladding diameter: 80 to 150µm. Coating diameter: 100 to 1000µm
Cleaved length	5mm to 16mm
Splicing modes	Total 100 modes
Typical splice loss	0.02dB with SM, 0.01dB with MM, 0.04dB with DS and 0.04dB with NZDS (measured by cut-back method relevant to ITU-T & IEC standard)
Return loss	>>60dB
Splicing time	Typical 7sec. with SM FAST, 12sec. with SM AUTO and 15sec with AUTO modes with standard SM (ITU-T G.652)
Splice loss estimate	Available using dual camera, core alignment data
Attenuation splice function	Intentional high splice loss of 0.1dB to 15dB (0.1dB step) can be made for an in-line fixed attenuator
Tube heater/heating time	Built-in tube heater with 30 heating modes/Typical 14sec with Fujikura FP-03
Applicable protection sleeve	60mm, 40mm and micro series
Storage of splice result	The last 2000 results to be stored in the internal memory
Tension test	1.96 to 2.25N
Operating condition	0 to 5,000m above sea level, 0 to 95%RH and -10 to 50 deg C and up to 15m/s wind velocity, respectively
Storage condition	0 to 95%RH (non dew),short term storage -40 to 80°C, long term storage with battery: -20 to 30°C
Dimensions	146W x 159D x 150H (mm)
Weight	2.5kg with AC adaptor, 2.7kg with battery
Viewing method and display	Dual cameras with 4.73" colour LCD monitor
Fibre view and magnification	X/Y (320X magnification), or both X and Y simultaneously (200X magnification)
Power supply	Applicable voltage from 100 to 240V AC or 10 to 15V DC with ADC-18. 14.8V DC with BTR-09
No. of splice cycles with battery	Typical 200 cycles (splice/splice protector heat) with BTR-09
Electrode life	3000 arc-discharges.
Connectivity	USB 1.1 (Mini-B type) connector for PC communication. 6-pin Mini-DIN connector for HJS-02, HJS-03 or SH-8C power supply



FUJCT30A



FUJCT05A

RESISTANCE FEATURES

Description	Detail
Shock resistance	76cm (30inch), all 6 sides per GR-765-CORE
Dust resistance	Exposure to dust (0.1 to 500µm dia. Alumina Silicate) ¹ per TR-NWT-000264
Rain resistance	R=10mm/h for 10min ¹ per JIS C 0034

1 Carried out in Fujikura labs in Japan. The shock resistance, dust resistance and rain resistance test do not guarantee that the product will not be damaged under these conditions.

SPLICER PACKAGES

FUJFSM70S-K1	FSM-70S Core Alignment Splicer with CT30A cleaver kit
FUJFSM70S-K2	FSM-70S Core Alignment Splicer with CT05A cleaver kit
FUJFSM70S-K3	FSM-70S Core Alignment Splicer, no cleaver

All splicer kits include fusion splicer, cleaver and items listed below;

Part	Description	Qty
FUJ-70SCLAMPA	FSM-70S fibre clamp, 5-16mm cleave length 250/900µm (pair)	1
FUJADC18	AC adapter, battery charger, DC inlet to suit FSM-70S/R, 19S/R	1
FUJBTR-09	Battery pack to suit FSM-70S/R, 19S/R	1
FUJDCC-18	FUJBTR-09 battery charge lead	1
FUJFSM-EL50/60S	Electrode set to suit FSM-70S/R, 19S/R (1 fitted + 1 spare)	2
FUJ-70SCARRYCASE	Fujikura 70S lockable travel case with work tray	1

All splicer kits include safety goggles, sharps container, alcohol dispenser, 100pk cotton tips, sleeve loader, electrode removal screwdriver, USB communications lead and instruction CD.

ACCESSORIES

Part	Description
FUJFSM-EL50/60S	Electrode set to suit FSM-70S/R, 19S/R
FUJBTR-09	Battery pack to suit FSM-70S/R, 19S/R
FUJDCC-12	12V cigarette lighter lead to suit FSM-70S/R, 19S/R
FUJ-70SCLAMPB	Fibre clamp, 16mm cleave length, 900µm loose buffer
FUJFH-60-250	250µm Fibre Holder Single Fibre FSM-70S/R, 19S/R, CT30, CT05 / Hot jacket stripper (pair)
FUJFH-60-900	900µm Fibre Holder Single Fibre FSM-70S/R, 19S/R, CT30, CT05 / Hot jacket stripper (pair)
FUJFH-60-LT900	900µm Loose Buffer Fibre Holder Single Fibre FSM-70S/R, 19S/R, CT30, CT05 / Hot jacket stripper (pair)
HTST250/9/2-E	Ergonomic fibre stripper, three hole
HTST250-E	Ergonomic fibre stripper, 250µm
HTSCKEV-E	Ergonomic wire and Kevlar cutting shears
IDES163	Loose tube cable stripper
IDES164	Stripping tool (6.4-14.3mm)
HTST4.5/29	Round cable stripper (4.5-29mm)
MEN712	Alcohol dispenser
SPLPROT-HS-xxxx	Single fibre splice protector available in 2.5mm and 3mm thickness, 45mm and 62mm lengths, 12pk and 100pk sizes
AFC-RACKMATE	Rackmate sliding work tray
AFCKIT-CABLEPREP	Fibre cable preparation kit
AFCKIT-CABLEPREP-CK	Fibre and cable cleaning consumables kit

For further information, please visit www.afcgroup.com.au
 Call Australia: 1300 232 476 or New Zealand: 09 927 7140

MELBOURNE SYDNEY PERTH BRISBANE ADELAIDE CANBERRA AUCKLAND HONGKONG