



Fujikura FSM-22S Active V-groove Alignment Splicer

Introducing from Fujikura, the global leader in fusion splicer technology, the FSM-22S, the world's smallest and lightest active v-groove alignment splicer.

The FSM-22S's active v-groove alignment technology allows for fibre alignment compensation in dirty and dusty environments, where fibre contamination is unavoidable. Its lightweight and compact design along with an enhanced long life battery, providing technicians with 200 splice and heat cycles, allows ultimate portability for in the field use.

Features

- Compact (120W x 189D x 72H mm) and lightweight, 1140g including battery
- Long life electrode providing 3000 splices
- Long life battery providing 200 splice and heat cycles
- High contrast 12 cm display
- Compatible with FuseConnect™ splice on connectors
- Supports fibre clamps and 250 µm, 900 µm, 2 mm, 3 mm and drop cable fibre holders
- Ruggedised transit case / workstation

Specifications

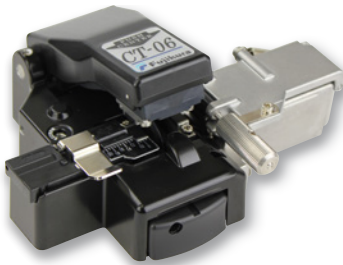
Applicable Fibres	SM (ITU-T G.652 and G.657), MM (ITU-T G.651), NZDS (ITU-T G.655), DS (ITU -T G.653)
Fibre Count	Single
Cladding and Sheath Diameter	125 µm / 100 µm to 3 mm with sheath clamp
Cleave Length	5 mm to 16 mm
Actual Average Splice Loss	0.03dB (SM), 0.01dB (MM), 0.05dB (DS) and 0.05dB (NZDS) Measured by cut-back method relevant to ITU-T and IEC standards
Return Loss	>60 dB
Splice Time/Tube Heating Time	Typical 7 sec with SM FAST / Typical 24 sec with 60 mm sleeve
Splicing Modes/Heating Mode	Total 100 splice modes / 30 heating modes
Splice Loss Estimate	Available
Storage of Splice Result	The last 10,000 results to be stored in the internal memory
Fibre Display	X / Y
Magnification	132X magnification, 200X magnification after splicing
Viewing Method	2 axis CMOS camera with 12 cm colour LCD
Operating Condition	Altitude: 0 to 3,660 m above sea level, Temperature: -10 to 50°C, Humidity: 0 to 95%RH non-dew
Wind Protection	Up to 15 m/s
Mechanical Proof Test	1.96 to 2.25 N
Tube Heater	Built-in tube heater with 10 heating modes and up to 20 modes for reference
Applicable Protection Sleeve Length	60 mm, 40 mm and Fujikura micro sleeves
Electrode Life	3000 splices
No. of Splice/Heating with Battery	Typical 200 cycles with BTR-11
Power Supply	100 V to 240 V AC with FUJADC-19 14.8 V Lilon (2000 mAh) Battery FUJBTR-11
Terminals	USB 2.0 mini-B (Firmware update and data management)
Dimensions	120 W × 189 D × 72 H (mm)
Weight	1140 g including battery
Resistance Features	Shock resistance: 76 cm (30 inch) bottom surface drop* Dust resistance: Exposure to dust (0.1 to 500 µm dia. Alumina Silicate)* Rain resistance: H = 10 mm/hr for 10 min*

*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.

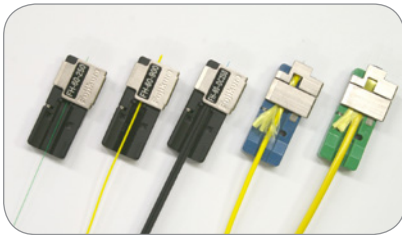
Fujikura FSM-22S Active V-groove Alignment Splicer



FUJCT30A



FUJCT06A



Workstation on Transit Case



Fujikura 22S Kit 1

Splicer Packages

PART NUMBER	DESCRIPTION
FUJFSM22S-K1	Fujikura FSM22S Active V-groove Alignment Splicer Kit with CT30A Cleaver
FUJFSM22S-K2	Fujikura FSM22S Active V-groove Alignment Splicer Kit with CT06A Cleaver
FUJFSM22S-K3	Fujikura FSM22S Active V-groove Alignment Splicer Kit

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

PART NUMBER	DESCRIPTION	QTY
FUJADC19	AC adapter pack	1
FUJBTR-11	Battery Pack (fitted)	1
FUJFSM-EL12S	Electrode set to suit 21S (1 fitted + 1 spare)	2
FUJACC-12	AC Power Cord	1
FUJ-21S-CLAMPA	21S / 22S Fibre Clamp "A"	1
FUJAP-01	Alcohol Dispenser	1
FUJSD-01	Screw Driver	1
FUJCC-32	Ruggedised Carry Case	1

All splicer kits include isopropyl storage bottle, sharps container, 100 pk cotton tips, instruction CD and reference.

Accessories

PART NUMBER	DESCRIPTION
FUJFSM-EL12S	Electrode set to suit 12S / 21S
FUJBTR-11	21S / 22S Battery Pack
FUJ-21S-CLAMPB	21S / 22S Fibre Clamp "B" – 900µm Loose Buffer
FUJFH-60-250	250 µm Fibre Holder Single Fibre to suit 21S (pair)
FUJFH-60-900	900 µm Fibre Holder Single Fibre to suit 21S (pair)
FUJFH-60-DC250	250 µm Fibre Holder, Drop Cable
FUJFH-FC-20	900 µm Fibre Holder, 2 mm Cord
FUJFH-FC-30	900 µm Fibre Holder, 3 mm Cord
FUJFH-LT900	900 µm Fibre Holder, Loose Buffer
HTST250/9/2-E	Ergonomic Fibre Stripper, three hole
HTST250-E	Ergonomic Fibre Stripper, 250 µm
HTSCKEV-E	Ergonomic Wire and Kevlar Cutting Shears
IDE5163	Loose Tube Cable Stripper
IDE5164	Stripping Tool (6.4-14.3 mm)
HTST4.5/29	Round Cable Stripper (4.5-29 mm)
MEN712	Alcohol Dispenser
SPLPROT-HS-xxxx	Single Fibre Splice Protector available in 2.5 mm and 3 mm thickness, 45 mm and 62 mm lengths, 12 pk and 100 pk sizes
AFC-RACKMATE	RackMate Sliding Work Tray
AFCKIT-CABLEPREP	Fibre Cable Preparation Kit
AFCKIT-CABLEPREP-CK	Fibre and Cable Cleaning Consumables Kit
FUJFSM-EXTWAR5Y	Fujikura Splicer Extended Care Plan, FSM70, FSM22, FSM19, FSM21, FSM12, FSM60 Series – 5 Years