



33S FTTH SPLICER

Portable Splicing Machine

- Simultaneous fiber stripping
- Simultaneous fiber cleaving
- Simultaneous fiber setting
- Removable battery
- Light Weight
- Handy Splicer
- Movable Touch LCD monitor

Fujikura 33S

Single Fiber Fusion Splicer

Active V-Groove Alignment



ACTIVE FUSION
CONTROL TECHNOLOGY

33S Specifications

Item		Specification
Fiber alignment method		Active clad alignment
Fiber count can be spliced		Single fiber
Applicable fiber	Fiber type	Single mode optical fiber
	Cladding dia.	Approx. 125µm
Applicable coating	Sheath clamp	Coating dia. : Max. 3000µm Cleave length : 5 to 16mm *1
	Splice loss *2	ITU-T G.652 : Avg. 0.03dB ITU-T G.651 : Avg. 0.01dB ITU-T G.653 : Avg. 0.05dB ITU-T G.655 : Avg. 0.05dB ITU-T G.657 : Avg. 0.03dB
Fiber splice performance	Splice time *3	SM FAST mode : Avg. 6 to 7sec.
	Sleeve type	Heat shrinkable sleeve
Applicable Protection sleeve	Sleeve length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time *4	60mm mode : Avg. 15 to 22sec. 60mm slim mode : Avg. 15 to 17sec.
Fiber tensile test force		Approx. 2.0N
Electrode life *5		Approx. 6,000 splices
Physical description	Dimensions W	Approx. 131mm without projection
	Dimensions D	Approx. 123mm without projection
	Dimensions H	Approx. 121mm without projection
	Weight	Approx. 1.4kg including battery
Environmental condition	Temperature	Operate: -10 to 50 °C Storage: -40 to 80 °C
	Humidity	Operate: 0 to 95%RH non-condensing Storage: 0 to 95%RH non-condensing
	Altitude	Max. 5000m
AC adaptor	Input	AC100 to 240V, 50/60Hz, Max. 1A
Battery pack	Type	Rechargeable Lithium Ion
	Output	Approx. DC14.4V, 3190mAh
	Capacity *6	60mm mode: Approx. 200 splice and heat cycles 60mm slim mode : Approx. 230 splice and heat cycles
	Temperature	Recharge: 0 to 40 °C Long Term Storage : -20 to 30 °C
	Battery life *7	Approx. 500 recharge cycles
Display	LCD monitor	TFT 4.95 inches with touch screen
	Magnification	Approx. 132 to 300x
Illumination	V-grooves	LED lamp
Interface	PC	USB2.0 Mini B type
	External LED lamp	USB2.0 A type Approx. DC5V, 500mA
Data storage	Splice mode	100 splice modes
	Heat mode	30 heat modes
	Splice result	20,000 splices
	Splice image	100 images
Screw hole for tripod		1/4-20UNC
Other features	Reference guide	PDF file stored in splicer
		Open with/without Wind Protector
	Sheath clamp	Close with fiber setting Easy sleeve positioning clamp
	Electrode	Replaceable without tool

33S Standard package

Item	Model	Qty
Clad Alignment Fusion Splicer	33S	1 pc
(1) Battery Pack *	BTR-17	1 pc
(2) AC Adapter	ADC-21	1 pc
(3) AC Power Cord	ACC-08, 09, 10, 11 or 12	1 pc
(4) USB Cable	USB-01	1 pc
(5) Electrodes, for spare	ELCT2-16B	1 pair
(6) Carrying Case	CC-44	1 pc
(7) PC Setting Guide	SG-09-E	1 pc
(8) Warning and Cautions	WAC-02-E	1 pc
(9) Splice Test Report		1 pc
(10) Instructional Manual	M-CT16-E	1 pc
(11) Quick Reference Guide	QRG-08-E, C or J	1 pc
Single Fiber Stripper	SS05	1 pc
Optical Fiber Cleaver	CT16	1 pc
(1) Fiber Scrap Collector	FBD-06	1 pc
(2) Fiber Setting Plate	AD-16A	1 pc
(3) Hexagonal Wrench	HEX-01	1 pc

* Please follow IATA regulation when shipping the battery by air

33S Options

Item	Model	Remarks
Fiber Holder	FH-70-200	200µm coating diameter
	FH-70-250	250µm coating diameter
	FH-70-900	900µm coating diameter
	FH-FC-20	900µm in 2mm diameter cable
	FH-FC-30	900µm in 3mm diameter cable
Sheath Clamp	CLAMP-S35B	900µm loose buffer cable
Fiber holder set plate	SP-04	Fiber holder set base
Transfer Clamp	CLAMP-DC-12	Transferring drop cable on work tray
Protection sleeve	FP-03	60mm, Max. 900µm coating diameter
	FP-03(L=40)	40mm, Max. 900µm coating diameter

