

Core Alignment Fusion Splicer 48S+

Designed to keep you going



Fujikura 48S+ is a single Fiber Splicing Machine. It is a core alignment splicing machine which gives excellent and accurate results. It has 100 Splice modes and 30 heating modes. It also has the capability to store 10000 splice results.

Key Features

- Active core alignment
- Display: 4.9 inch TFT with touch screen LCD display.
- Compact size and light weight enables to carry it and use in various environment conditions.
- Electrode life- 5000 splices.
- Heating time- 25 sec.
- Splice time- 7 sec.
- Dimensions of measurement: 148 mm X 212 mm X 161 mm.
- User friendly, compact and lightweight carrying case.
- USB communication for PC connection

48S+ Standard package

Item	Model	Qty
Core Alignment Fusion Splicer	48S+	1 pc
Battery Pack *	BTR-11A	1 pc
AC Adapter	ADC-19A	1 pc
AC Power Cord	ACC-11(EU type)	1 pc
USB Cable	USB-01	1 pc
Electrodes, for spare	ELCT2-16B	1 pair
Carrying case	CC-41	1 pc
Quick reference guide	QRG-06-E	1 pc
Warning and cautions	WAC-02-E	1 pc
Splice test report	Only English	1 pc
Single fiber stripper	SS03	1 pc
Optical fiber cleaver	CT-08	1 pc
Instructional manual	M-CT08-E	1 pc

*1: Please follow IATA regulation when shipping the battery by air.

48S+ Options

Item	Model	Remark
Fiber setting plate	AD-10-M24	Max. 900µm coating diameter
Fiber holder	FH-70-200	200µm coating diameter
	FH-70-250	250µm coating diameter
	FH-70-900	900µm coating diameter
	FH-70-160	160µm coating diameter
	FH-70-500	500µm coating diameter
	FH-60-DC250	250µm in drop wire cable
	FH-FC-20	900µm in 2mm diameter cable
	FH-FC-30	900µm in 3mm diameter cable
	FH-60-LT900	900µm loose buffer cable
Fiber holder set plate	SP-01	Fiber holder set base
Sheath clamp	CLAMP-S31B	900µm loose buffer cable
Single fiber stripper	SS03	Stripped to 125/250/900µm diameter
Battery pack	BTR-16	Battery pack for replacement

Specifications

Item		Specification
Fiber alignment method		Active core alignment
Fiber count can be spliced		Single fiber
Applicable fiber	Fiber type	SMF(G.652/657), MMF(G.651), DSF(G.653), NZDSF(G.655)
	Cladding dia.	80 to 150um
Applicable coating	Sheath clamp	Coating dia.: Max. 3,000µm
		Cleave length : 5 to 16mm
	Fiber holder	Coating dia.: refer to options
		Cleave length : approx. 10mm
Fiber splice performance	Splice loss	ITU-T G.652 : Avg. 0.02dB
		ITU-T G.651 : Avg. 0.01dB
		ITU-T G.653 : Avg. 0.04dB
		ITU-T G.654 : Avg. 0.04dB
		ITU-T G.655 : Avg. 0.04dB
		ITU-T G.657 : Avg. 0.02dB
	Splice time	Typical 7sec.
Applicable protection sleeve	Sleeve type	Heat shrinkable sleeve
	Sleeve length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time	40mm mode: typical 15sec.
		60mm mode: typical 25sec.
Fiber tensile test force		Approx. 2.0N
Electrode life		Approx.5,000 splices, Replaceable without tool
Physical description	Dimensions W	Approx.148mm without projection
	Dimensions D	Approx.212mm without projection
	Dimensions H	Approx.161mm without projection
	Weight	Approx. 1.9kg including BTR-11A 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. 5,000m	
AC adaptor	Input	AC100 to 240V, 50/60Hz, Max. 1.5A
	Output	Approx. DC 19V, max. 3.42A
Standard battery pack BTR-11A	Type	Rechargeable Lithium Ion
	Output	Approx. DC14.4V / 3190mAh
	Capacity	Approx. 200 splice and heat cycles
	Temperature	Operate : -10 to 50 degreeC
		Recharge : 0 to 40 degreeC
		Storage : -20 to 30 degreeC
Battery life	Approx. 500 recharge cycles	

Specifications

Display	LCD monitor	TFT 4.9 inches with touch screen
	Magnification	200 to 320x
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	10,000 splices
	Splice image	100 images
Other features	Automatic functions	Fusion control
		Splice start
		Heater start
	Reference guide	PDF file stored in splicer
	Sheath clamp	Easy sleeve positioning clamp
	Electrode	Replaceable without tool
	Software for PC	Splicer firmware update via internet
Parameter upload and download		