



Core Alignment Fusion Splicer

48S+

Designed to keep you going

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 150μm
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
Applicable protection sleeve	Splice time	Typical 7sec.
	Sleeve type	Heat shrinkable sleeve
	Sleeve length	Max. 66mm
Sleeve heat performance	Sleeve dia.	Max. 6.0mm before shrinking
	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℃ Storage : -40 to 80℃
	Humidity	Operate : 0 to 95%RH non-condensing Storage : 0 to 95%RH non-condensing
AC adaptor	Altitude	Max. 5,000m
	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
Display	Battery life	Approx. 500 recharge cycles
	LCD monitor	TFT 4.9 inches with touch screen
Illumination	Magnification	200 to 320x
	V-grooves	LED lamp
Interface	PC	USB2.0 Mini B type
	External	USB2.0 A type
	LED lamp	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

48S+ Standard package

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

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
Fiber holder set plate	FH-60-LT900	900μm loose buffer cable
	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

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

