

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
Applicable protection sleeve	Splice time	Typical 7sec.
	Sleeve type	Heat shrinkable sleeve
	Sleeve length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time	60mm mode: typical 25sec.
Fiber tensile test force	Approx. 2.0N	
Electrode life	Approx.5,000 splices	
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
		Storage : -20 to 30 degreeC
Battery life	Approx. 500 recharge cycles	
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
Heat mode		30 heat modes
Splice result		10,000 splices
Splice image		100 images

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	ELCT-16B	1 pair
Carrying case	CC-41	1 pc
Quick reference guide	QRG-06-E	1 pc
PC and clamp setting guide	SG-07-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
Fiber scrap collector	FDB-04	1 pc
Fiber setting plate	AD50	1 pc
Case, for cleaver	CC-34	1 pc
Hexagonal wrench	HEX-01	1 pc
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
	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
J-plate	JP-10	Attaching to splicer, not to work tray
Battery pack	BTR-16	Battery pack for replacement

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

