SAVITRI
TELECOM SERVICES

Mass Fusion Splicer 88R

Designed to keep you going

The 88R is a mass fiber fusion splicer with a series of features, such as "automatic wind-protector and tube-heater" and "easy sleeve positioning" for quicker splicing cycle as well as fewer operation steps. Also, the 88R equips "wireless communication function" which allows automatic cleaver blade rotation for CT50 when the splicer judges the blade is worn.

Key Features

- Self-cladding alignment with melting surface tension
- Typical splice time: 11sec. / tube heating: 13sec.
- 20,000 splice result storage with 100 image capturing
- Electrode life: 5000 splices
- The battery pack capacity provides 165 splice and heat cycles per one charge.

- 5 inches size LCD monitor with touch screen
- Dimensions of measurement: 146W × 159D ×150H mm
- Advanced Image processing technology.
- Fiber discrimination function.
- Active Blade management technology.
- Bluetooth connecting features.

88R Standard package

Item	Model	Qty
Mass Fusion Splicer	88R	1 pc
Battery Pack [*2]	BTR-15	1 pc
AC Adapter	ADC-20	1 pc
AC Power Cord	ACC-15	1 pc
USB Cable	USB-01	1 pc
Fusion splicer strap	ST-02	1 pc
Electrodes	ELCT2-16B	1 pair
Hexagonal Wrench	HEX-01	1 pc
V-groove Cleaning Brush	VCB-01	1 pc
Carrying Case	CC-30	1 pc
Carrying Case Strap	ST-03	1 pc
Alcohol Dispenser	AP-02	1 pc
Quick Reference Guide	QRG-03-E	1 pc
Fiber Holder	FH-70-12	1 pair
Optical Fiber Cleaver	CT-50	1 pc
Ribbon Fiber Stripper	RS03	1 pc
Battery Pack *1	BTR-12A	1 pc
AC Adapter	ADC-09A	1 pc
AC Power Cord	ACC-11	1 pc
Blade Cleaning Brush	BRS-02	1 pc

88R Options

Item	Model	Remark
Fiber holder	FH-70-250	250µm coating diameter
	FH-70-900	900µm coating diameter
	FH-70-2	2 fiber ribbon
	FH-70-4	4 fiber ribbon
	FH-70-8	8 fiber ribbon
	FH-70-12	12 fiber ribbon
	FH-70-12PC	Pitch conversion for 12 fiber ribbon
	FH-FC-20	900µm in 2mm diameter jacket
	FH-FC-30	900µm in 3mm diameter jacket
	FH-60-LT900	900µm loose buffer fiber
Single Fiber Stripper	SS-03	Three hole fiber stripper
DC Adapter	DCA-03	Connect AC adapter not through battery
DC power cord	DCC-20	Car cigar socket to BTR15/DCA-03
	DCC-21	Car battery to BTR-15/DCA-03
	DCC-11	Splicer to ribbon stripper
Transfer Clamp	CLAMP-DC-12	Transferring drop cable on work tray
J-Plate	JP-10	Attaching to splicer, not to work tray
	JP-10-FC	JP-10 with fiber clamps
Protection sleeve	FP-04(T)	40mm up to 8 fiber ribbon
	FP-05	40mm up to 12

*1: Please follow IATA regulation when shipping the battery by air.
* 2: Bluetooth® mark and logos are the registered trademarks of Bluetooth SIG, Inc.

Specifications

Item		Specification
Fiber alignment method		Self cladding alignment with melting surface tension
Fiber count can be spliced		Up to 12 fiber ribbon
Applicable fiber	Fiber type	SMF(G.652/657), MMF(G.651), DSF(G.653), NZDSF(G.655)
	Cladding dia.	Approx.125µm
Applicable coating	Fiber holder	Coating shape. : Refer to options
		Cleave length : 10mm
Fiber splice performance	Splice loss	ITU-T G.652 : Avg. 0.05dB
		ITU-T G.651 : Avg. 0.02dB
		ITU-T G.653 : Avg. 0.08dB
		ITU-T G.655 : Avg. 0.08dB
		ITU-T G.657 : Avg. 0.05dB
	Splice time	Typical 11sec.
Applicable protection sleeve	Sleeve type	Heat shrinkable sleeve
	Sleeve length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time	Typical 13 sec.
Fiber tensile test force		Approx. 2.0N
Electrode life		Approx. 15,00 splices
Physical description	Dimensions(mm)	146W × 159D ×150H (mm)
	Weight	Approx. 2.6kg 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. 3,700m
AC adaptor	Input	AC100 to 240V, 50/60Hz, Max. 1.5A
Battery pack*1	Type	Rechargeable Lithium Ion
	Output	Approx. DC14.4V / 6,380mAh
	Capacity	Approx. 165 splice and heat cycles
	Temperature	Recharge : 0 to 40^{0}C, Storage : -20 to 30^{0}C
	Battery life	Approx. 500 recharge cycles

Specifications

Display	LCD monitor	TFT 5 inches with touch screen
	Magnification	88R1212 : Approx. 20X : 12 ribbon to 60X : single
		88R124 : Approx. 60X
Illumination	V-grooves	LED lamp
Interface	PC	USB2.0 Mini B type
	External LED lamp	USB2.0 A type Approx. DC5V, 500mA
	Ribbon Stripper	Mini DIN 6pin DC12V, Max. 1A
	Wireless [*2]	Bluetooth 4.1 LE
Data storage	Splice mode Heat mode	100 splice modes 30 heat modes
	Splice result	20,000 splices
	Splice image	100 images
Other features	Automatic functions	Splice mode selectby fiber count analysis
		Discharge power calibration
		Wind protector : open/close
		Heater lid : open/close
		Heater clamp : open/close
	Reference guide	Video and PDF file stored in splicer
	Electrode	Replaceable without tool