



## Automatic Adaptive Core fusion splicer

# T-55



## Fast, Capable, Practical

Fast Splicing 7sec / Heating 20sec



Detachable Case  
for Working Tray



Touch Screen  
Control Panel



Durable & Rugged

## Specifications

Items		T-55
Optical fibre requirements	Material	Silica glass
	Fiber count / Profile types	Single / SMF (G.652), MMF (G.651), DSF (G.653), NZDSF (G.655), BIF (G.657)
	Fiber diameter	Cladding diameter : 80~150µm, Coating diameter: 100 ~ 1,000µm
	Cleave length	5 ~ 16mm with coating clamp
Standard performance	Splice loss (typical)*1	SMF : 0.02dB, MMF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB
	Return loss (typical)	60dB or greater
	Splice time (typical)	7sec (SM G652 Quick Mode), 9sec (Auto Mode)
	Heating time (typical)	20sec (FPS-61-2.6 sleeve, Slim 60mm Quick Mode)
	Splice & Heat cycles per battery full charge*2	Approx. 230 (BU-11)
	Fibre view & magnification	2 CMOS cameras observation, 200X (zoom: 525X) for X or Y single axis view, 88X for both X & Y dual axis view
	Proof test	1.96 ~ 2.09N
Programs	Splice programs	Max. 300, 23 are pre-optimised, 277 editable by user
	Heating programs	Max. 100, 19 are pre-optimised, 81 editable by user
Functions	Splice image capture / Splice data storage	200 images/10,000 splice data (internal memory only) 50,200/20,000 (with 8GB SD card)
	Attenuation splicing	0.1dB to 15dB in 0.1dB increments
	Universal clamps	Provided, 250µm, 900µm tight & loose buffer fibre
	Reversible coating clamps	Provided
	Onboard user training video	Provided
	Automatic fibre identification	SMF / MMF / Other
Size / Weight	Automatic arc calibration	Automatically compensates for environmental condition changes
	Size	120(W) x 154(D) x 130(H) mm (without anti-shock rubber)
	Weight	1.7kg (without Battery) / 1.9kg (with Battery BU-11S) / 2.0kg (with Battery BU-11)
	Monitor	4.1" touch screen color LCD display
Terminals	DC output	DC 12V (for JR-6)
	USB port	USB 2.0 (mini-B type)
	Storage media	SD / SDHC memory card MAX32GB
Power supply	AC input	AC 100 ~ 240V, 50/60Hz (ADC-1430 series)
	DC input	DC 10 ~ 15V
	Battery pack	Li-ion 11.1V, 2,300mAh (BU-11S) / Li-ion 11.1V, 4,600mAh (BU-11)
Operating condition	Altitude : 0 ~ 6,000m, Temperature : -10 ~ +50°C, Humidity : 0 ~ 95% (non-condensing), Wind velocity : up to 15m/sec	
Storage condition	Temperature : -40 ~ +80°C, Humidity : 0 ~ 95% (non-condensing), Battery : -20 ~ +30°C (long term)	
Electrode life *3	6,000 arc discharges	
Software updates	Internet	
Data management	Can be stored, edited and analyzed by dedicated PC software	

\*1 : Average value of the final inspection in room temperature with Sumitomo identical fibre. Measured by cut-back method relevant to ITU-T and IEC standards.

\*2 : Splice & Heat cycles may vary depending on the battery status and the operating environment.

\*3 : Achieved in lab condition. Electrode life may vary depending on the operating environment.

## Environmental Durability\*

	Test details
Shock resistance	Drop from 76cm on 5 faces (excluding top face)
Water resistance	Equivalent to IPx2 (Operates normally after being exposed to water dripping at 3mm/min. for at least 2.5 min on each of 4 surfaces tilted at 15°)
Dust resistance	Equivalent to IP5x (Operates normally after 8 hours in a test chamber with circulating dust particles smaller than 75µm)

\*Splicer operation after shock, water or dust tests, was confirmed under battery power, by Sumitomo.

Does not guarantee the product will not be damaged by these conditions.

## Basic Accessories

Part name	Part No.	Qty.
AC adapter	ADC-1430 series	1 pc
AC power cord	PC-AC<X>*	1 pc
Cooling tray	-	1 pc
Spare electrode	ER-10	1 pair
Operating CD manual	-	1 pc
Quick reference guide	-	1 pc
Carrying case with worktable	CC-Z1	1 pc
Hand strap	-	1 pc
USB cable	-	1 pc

\*X=2(USA), 3(EU), 5(UK), 6(AUS), 7(South Africa)

Items listed in Basic Accessories are always included with the splicer body.

Overall kit content may vary regionally. Please check with your local authorised reseller to confirm kit content in your region.

## Accessories

	Part name	Part No.	Remarks
Accessories for Splicer	Fibre holder	FHS-025	For Ø0.25mm single fibre
		FHS-09	For Ø0.9mm single fibre
		FHS-025/LB5	For 0.9mm loose buffered single fibre
		FHD-1	For drop/indoor cable (Cable size : typical 2.0 x 3.1 or 2.6mm)
		1SM-ST	For indoor cable (Cable size : typical 1.6x2.0mm)
		FHC-3	For 3mm cable
		Lynx2-UML-S	For Ø3mm cord and Ø0.9mm single fibre
	Battery pack	BU-11/11S	Li-ion 4,600mAh BU-11, 2,300mAh BU-11S
	Battery Charger	BC-11	-
	Car battery cable	PCV-11	For car battery operation (cigarette socket type)
Accessories	V-groove cleaning brush	VGT-2	Brush for cleaning V-groove
	Electrode	ER-10	-
	Handheld fibre cleaver	FC-8R-FC	Automatic blade rotation cleaver with cleave counter
		FC-8R-F	Automatic blade rotation cleaver
	Fibre cleaver	FC-6S-C	Table-top high precision cleaver
		FC-6RS-C	Automatic blade rotation cleaver
	Jacket remover	JR-M03	Jacket remover for single fibre
	Loose tube cutter	LTC-01	-
	Alcohol dispenser	HR-3	-
	Fibre protection sleeve	FPS-1	60mm, diameter after shrink approx. Ø3.2mm
FPS-40		40mm, diameter after shrink approx. Ø3.2mm	
FPS-61-2.6		61mm, diameter after shrink approx. Ø2.6mm	



Carrying case with worktable  
CC-Z1



Handy cleaver  
FC-8R series



Table-top cleaver  
FC-6 / FC-6R series



Jacket remover  
JR-M03



Available for  
Lynx-Custom Fit™  
Splice-On Connector



Electrode  
ER-10

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