

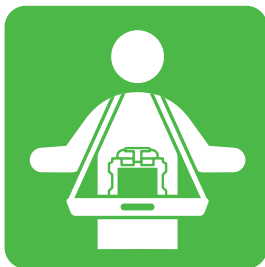
## Automatic Adaptive Core Fusion Splicer

# 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
	Fibre count / Profile types	Single / SMF (G.652), MMF (G.651), DSF (G.653), NZDSF (G.655), BIF (G.657)
	Fibre diameter	Cladding diameter : 80-150µm, Coating diameter: 100 - 1,000µm
Standard performance	Cleave length	5 - 16mm with coating clamp
	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
Programs	Proof test	1.96 - 2.09N
	Applicable sleeve length	Up to 60mm sleeves
Functions	Splice programs	Max. 300, 23 are pre-optimised, 277 editable by user
	Heating programs	Max. 100, 19 are pre-optimised, 81 editable by user
	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
Size / Weight	Onboard user training video	Provided
	Automatic fibre identification	SMF / MMF / Other
	Automatic arc calibration	Automatically compensates for environmental condition changes
	Size	120(W) x 154(D) x 130(H) mm (without anti-shock rubber)
Terminals	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
Power supply	DC output	DC 12V (for JR-6)
	USB port	USB 2.0 (mini-B type)
Operating condition	Storage media	SD / SDHC memory card MAX32GB
	AC input	AC 100 - 240V, 50/60Hz (ADC-1430S)
Storage condition	DC input	DC 10 - 15V
	Battery pack	Li-ion 11.1V, 2,300mAh (BU-11S) / Li-ion 11.1V, 4,600mAh (BU-11)
Electrode life *3	Altitude : 0 - 6,000m, Temperature : -10 - +50°C, Humidity : 0 - 95% (non-condensing), Wind velocity : up to 15m/sec	
Software updates	Temperature : -40 - +80°C, Humidity : 0 - 95% (non-condensing), Battery : -20 - +30°C (long term)	
Data management	Internet	
		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	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 dust chamber containing dust of particle size 75µm or below)

\*Confirms the battery operation in tests carried out by Sumitomo. Does not guarantee that the product is free of faults or damage.

## 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)

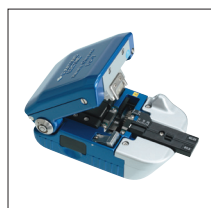
At least, the above basic accessories come with splicer main body. Some additional accessories may be or may not be included as a splicer standard kit contents. The standard splicer kit contents varies in each region/country. Please ask details to your nearest distributors.



Carrying case with worktable  
CC-Z1



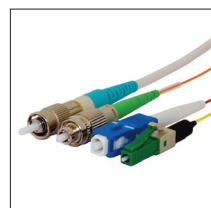
Table-top cleaver  
FC-6 / FC-6R series



Handy cleaver  
FC-7 / FC-7R series



Jacket remover  
JR-M03



Available for  
Lynx-Custom Fit™  
Splice-On Connector



Electrode  
ER-10

## Accessories

Part name	Part No.	Remarks	
Accessories for Splicer	FHS-025	For φ0.25mm single fibre	
	FHS-09	For φ0.9mm 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)	
Accessories	1SM-ST	For indoor cable (Cable size : typical 1.6 x 2.0mm)	
	FHC-3	For 3mm cable	
	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)	
	V-groove cleaning brush	VGT-2 Brush for cleaning V-groove	
	Electrode	ER-10 —	
	Handheld fibre cleaver	FC-7R-F	Automatic blade rotation cleaver
		FC-7M-F8	—
	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. φ3.2mm	
	FPS-40	40mm, diameter after shrink approx. φ3.2mm	
	FPS-61-2.6	61mm, diameter after shrink approx. φ2.6mm	

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