



## S154-AC Active Clad Aligning Splicer



### Features And Benefits

- Robust performance with greater uptime
- Compatible with various types of Splice-On-Connectors (SOCs)
- Fast and reliable fiber splicing for exceptional performance (splicing 6sec / splice loss 0.03 dB)
- Easy to interface 4.3-inch-wide touch screen for fast, intuitive operation
- Removeable V-Groove enabling easy field maintenance and lens cleaning, for greater uptime
- Tough environments tolerance (IP52, IK07)

### Overview

With a proven chassis design, the FITEL S154-AC Hand-Held Fusion Splicer provides a robust, fast, and reliable splicing solution for FTTx, Splice-On-Connectors (SOCs), data centers, and Metro applications. A broad range of new features that enhance communication, ease of use, portability, and field durability make the S154-AC Fusion Splicer one of the most powerful and user-friendly fusion splicing machines available today.

### Specifications

Applicable Fiber	SM (ITU-T G.652, G.657A1 and G.657A2), MM (ITU-T G.651), DSF (ITU-T G.653), NZD (ITU-T G.655),
Cladding Diameter	80 to 150 $\mu$ m
Coating Diameter	100 to 1000 $\mu$ m
Fiber Cleave Length	5 to 16 mm
Typical Splice Loss <sup>**1</sup>	SM:0.03 dB, MM:0.01 dB, DSF:0.05 dB, NZD:0.05 dB
Typical Splice Time <sup>**1</sup>	6 sec (Semi Auto Mode), 9 sec (Normal Mode)
Return Loss	> 60 dB
Tension Strength	1.96 N
Applicable Protection Sleeve Length	20 to 60 mm
Typical Heat Time <sup>**1</sup>	15 (60 mm, FITEL S921, Power mode)
Splice Programs	Max. 300
Heater Programs	Max. 100
Splice Data Storage	Max. 20,000 including 4 images before and after splice
Fiber Image Magnification on Lcd	75X, 200X, 400X
Dimension	179W X 246D X 131H mm
Weight (including Battery)	1.85 kg
Monitor	4.3" wide color LCD with touch panel
Data Interface Port	USB ver. 2.0 type A: 1 port, USB ver. 2.0 mini B: 1 port
Battery Capacity <sup>**1</sup>	Typical 200 splice / heat cycles
Operating Temperature	-10 to 50 degree $^{\circ}$ C
Storage Temperature	-40 to 60 degree $^{\circ}$ C
Humidity	0 to 95% (Non-condensing)
Power Source	AC input 100 to 240 V (50/60 Hz)
Note	<sup>**1</sup> Based on Lightera's standard. The characteristics might vary depending on test condition.

### Standard Package

Item	Model No.	(Qty)	Description
S154-AC Splicer	S154-AC	1	Active clad alignment
Hard carrying case	HCC-05	1	Including shoulder belt
Built-in battery pack	S947	1	
AC adapter	S979	1	
AC cable cord	C5-UL	1	
Tool Case	TCC-01	1	
Spare electrode	ELR-01	1 pair	
Electrode sharpener	D5111	1	
Cleaning brush	VGC-01	1	
Quick Reference Guide	FTS-B611	1	
Electrode sharpener	D5111	1	
Tool case	TCC-01	1	
Strap plate	SPL-01	1	
LCD anti-reflective sheet	ARS-01	1	
Quick Reference guide	FTS-B559	1	

**Optional Components**

Item	Model No.	(Qty)
Tight Holder 10 mm Cleave Length	S712T-010	1 pair
Tight Holder 16 mm Cleave Length	S712T-016	1 pair
Tight Holder Universal	S712T-UN	1 pair
Fiber Holder for 250 $\mu$ m	S712S-250	1 pair
Fiber Holder for 500 $\mu$ m	S712S-500	1 pair
Fiber Holder for 900 $\mu$ m	S712S-900	1 pair
USB Cable	USB-01	1
WiFi dongle	WFD-01	1
Battery Charger	S980A	1
Soft Carrying Case	SCC-01	1
Car Cigarette Cable	CDC-04	1
Cooling Tray	CTX-03	1
Angle Stand	AGS-02	1
Working Belt	WBT-01	1
Heater Clamp Base for SOC	HBC-01	1



S326A Cleaver



S317 Cleaver


 S211B 3-hole  
 fiber stripper

 EZIFuse™  
 Splice On Connector

**Ordering Information**

S154-AC splicer without any fiber holders.

S154-AC splicer with S712S-250 and S712S-900 holder, S211B stripper, cleaver wipes and fluid.

Contact Information	For additional information please contact your sales representative. You can also visit our website at <a href="http://www.lightera.com">www.lightera.com</a> or call 1-888-FIBERHELP (1-888-342-3743) USA or 1-770-798-5555 outside the USA. For a full list of our certifications, visit our website.
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