



Manufacturer:
AFL

Product Name:
AFL DCC-11 DC Power Cord for HJS-02 (50R only)

Manufacturer Part Number:
S013852

▶ [Click here for more details on the AFL DCC-11 DC Power Cord for HJS-02 \(50R only\)](#)

Fujikura 100R Fusion Splicer

The Fujikura 100R mass fusion splicer introduces Intelligent Alignment Control to deliver more reliable, uniform splices by automatically correcting fiber placement, end-face gaps, and axis alignment across all fibers.

Intelligent Alignment Control in the 100R enhances splice reliability by automatically correcting improper fiber seating, minimizing end-face gap variation, and stabilizing fiber-axis alignment across all fibers. Adjustable control levels allow the system to balance precision and cycle time, ensuring the best splice results across broadband or hyperscale applications.

Auto Placement Correction automatically detects and corrects fibers that are improperly seated in the V-groove prior to fusion. By automatically lifting the clamp and adjusting the Z-stage as needed, the system ensures proper fiber placement, reducing splice variability, and minimizing manual intervention.

Gap Alignment Correction automatically reduces variation in endface gaps across fibers prior to fusion. By continuously adjusting alignment until the target range is met, the 100R improves splice uniformity and consistency while completing the correction in as little as one second.

Axis Offset Correction reduces fiber axis position offsets across all fibers prior to fusion. By performing controlled, automatic alignment adjustments, the 100R improves splice uniformity and consistency while applying corrections only as needed to maintain efficient cycle times.

With the Fujikura 100R, you can keep your splicer in the field longer thanks to the included, field-replaceable V-grooves. With the AFL Tote Solution installed, the 100R transit case securely integrates with Milwaukee's PACKOUT™ system, offering faster transport, stability, and time savings for contractors and technicians.

Put our 100R to the test by contacting us to see its capabilities first-hand, 1-800-235-3423.

Features

- Intelligent Alignment Controls for hands-free alignment
- Auto Placement Correction for proper fiber seating
- Gap Alignment Correction for uniform endface gaps
- Axis Offset Correction for consistent fiber alignment
- Cleaver tracking and upkeep with wireless communication
- Automated wind protector, tube heater and splice operation
- User replaceable V-grooves
- Graphical User Interface with 5.0" Touchscreen
- Multi-function transit case with integrated workstation

Applications

- Data Center cable installation
- High fiber count metro and campus networks
- Long-haul network installs and repairs
- Trunk cable repair with Splice-on MPOs
- Ribbon splicing high-density cables with 200 µm loose fiber



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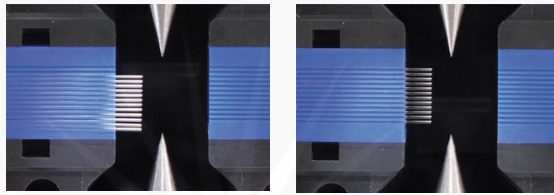
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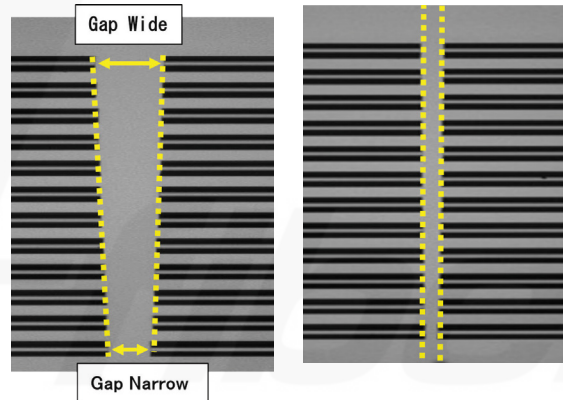
▶ [Click here for more details on the AFL DCC-11 DC Power Cord for HJS-02 \(50R only\)](#)

Fujikura 100R Fusion Splicer

Intelligent Alignment Control Features



Auto Placement Correction
(before on left; after on right)



Gap Alignment Correction
(before on left; after on right)

Ordering Information

Description	AFL No.
Fujikura 100R SpliceReady Splicer Kit Includes: Fujikura 100R Standard Kit (S018665), FP-05 40 mm protection sleeve, Splicer V-groove cleaning kit, FH-80-12PC 200 to 250um Pitch Conversion Fiber Holder, AFL WFW wipes mini tub (90 wipes), FCC2 fiber cleaning fluid (3 oz.), RT-02 Ribbonizing tool	S018713
Fujikura 100R with 200 µm Accessories SpliceReady Kit Includes: Fujikura 100R Standard Kit (S018665), FP-05 40 mm protection sleeve, VG12-02-200 200 µm V-groove, FH-80-16PC 200 to 250 µm Pitch Conversion Fiber Holder, FH-80-12-200 fiber holders, RT-02 Ribbonizing tool, Splicer V-groove cleaning kit, FCC2 fiber cleaning fluid (3 oz.), AFL WFW wipes mini tub (90 wipes)	S018714
Fujikura 100R Fusion Splicer Kit with CT60 and RS03 Includes: BTR-19 Battery, ADC-22 AC Adapter, ACC-19 AC Cord, CT60 Cleaver, RS03 Stripper with internal BTR-12A battery, ADC-09A AC Adapter with ACC-09 cord, ELCT2-16C Spare Electrodes (pair) with spare V-Grooves (VG12-02), FH-80-12 Fiber Holders (pair), USB-02 Cable, Alcohol Dispenser, Quick Reference Guide, TS-04A Splicer Tripod Screw, TS-04B Cleaver Tripod Screw, On-board Instructional Manual, CC-48 Transit Case, ST-02 Fusion Splicer Strap and Two-year Warranty	S018665
Fujikura 100R Fusion Splicer (machine only) Includes: BTR-19 Battery, ADC-22 AC Adapter, ACC-19 AC Cord, ELCT2-16C Spare Electrodes (pair) with spare V-Grooves (VG12-02), FH-80-12 Fiber Holders (pair), USB-02 Cable, Alcohol Dispenser, Quick Reference Guide, TS-04A Splicer Tripod Screw, TS-04B Cleaver Tripod Screw, On-board Instructional Manual, Work Tray, CC-48 Transit Case, and Two-year Warranty	S018710
Fujikura 100R Fusion Splicer Kit without Bluetooth with CT60 and RS01 Includes: BTR-19 Battery, ADC-22 AC Adapter, ACC-19 AC Cord, CT-60 Cleaver, RS01 Stripper, ADC-09A AC Adapter with ACC-09 cord, ELCT2-16C Spare Electrodes (pair) with spare V-Grooves (VG12-02), FH-80-12 Fiber Holders (pair), USB-02 Cable, Alcohol Dispenser, Quick Reference Guide, TS-04A Splicer Tripod Screw, TS-04B Cleaver Tripod Screw, On-board Instructional Manual, CC-48 Transit Case, ST-02 Fusion Splicer Strap and Two-year Warranty	S018712
Fujikura 100R Fusion Splicer without Bluetooth Includes: BTR-19 Battery, ADC-22 AC Adapter, ACC-19 AC Cord, ELCT2-16C Spare Electrodes (pair) with spare V-Grooves (VG12-02), FH-80-12 Fiber Holders (pair), USB-02 Cable, Alcohol Dispenser, Quick Reference Guide, TS-04A Splicer Tripod Screw, TS-04B Cleaver Tripod Screw, On-board Instructional Manual, CC-48 Transit Case, and Two-year Warranty	S018711
One-Year Extended Warranty	S012996
Two-Year Extended Warranty	S013000

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Fujikura 100R Fusion Splicer

Recommended Products for the 100R

Description	AFL No.	Description	AFL No.
Cleavers and Strippers		Batteries and Power Cords	
CT-60 Cleaver	S018654	ADC-22 AC Adapter	S018666
RS01 Thermal Stripper	S016815	BTR-19 Battery	S018670
RS02 Thermal Stripper	S016816	DCC-11 splicer to ribbon stripper power cord	S013852
RS03 Thermal Stripper	S016817	DCC-20 Power Cord	S017527
Fiber Holders and V-Grooves		Connects ADC-20 to cigarette lighter socket	
FH-80-2 Fiber Holder	S018726	DCC-21 Power Cord	S017528
FH-80-4 Fiber Holder	S018727	Connects ADC-20 to power source via alligator clips	
FH-80-5 Fiber Holder	S018728	ACC-14 AC Power Cord	S014536
FH-80-6 Fiber Holder	S018729	Miscellaneous	
FH-80-8 Fiber Holder	S018730	SS01 Single fiber stripper (1 hole)	S017099
FH-80-9 Fiber Holder	S018731	ELCT2-16C Electrodes	S018669
FH-80-10 Fiber Holder	S018732	Portable Splicing Worktray (see product profile for more detail)	S014773
FH-80-12 Fiber Holder	S018733	ASW-02 Splicing Workstation (see product profile for more detail)	S010532
FH-80-12-200 Fiber Holder	S018734	WT-11R Work Tray Right	S018674
FH-80-12PC 200 to 250um Pitch Conversion Fiber Holder	S018735	WT-11L Work Tray Left	S018673
FH-80-16 Fiber Holder	S018736	JP-12 Work Tray J-Plate (Splicer Mount)	S018681
FH-80-16-200 Fiber Holder	S018737	JP-11 J-Plate (Cooling tray attaches to splicer)	S018675
FH-80-16PC 200 to 250um Pitch Conversion Fiber Holder	S018738	TS-04B Cleaver Tripod Screw	S018691
FH-70-250 (250 µm coated fiber)	S017111	TS-04A Splicer Tripod Screw (90 Series)	S018677
FH-70-900 (900 µm jacketed fiber)	S017113	ST-02 Fusion Splicer Strap	S017525
FH-70-160 (160 µm coated fiber)	S017095	CLAMP-DC-12 (Drop Cable clamp on work tray)	S017550
FH-60-LT900 (Loose buffer 900 µm fiber)	S015181	FST-12 Fiber Separation Tool	S014012
VG16-02 16 Fiber/250 µm V-Groove	S018739	FAT-04 Fiber Arrangement Tool	S010212
VG16-02-200 16 Fiber/200 µm V-Groove	S018740	RT-02 Fiber Arrangement Tool	S017465
VG12-02 12 Fiber/250 µm V-Groove	S018741	FAA-03A Ribbon Forming Adhesive (4 oz. bottle)	S008720
VG12-02-200 12 Fiber/200 µm V-Groove	S018742	FAA-03A Ribbon Forming Adhesive (0.5 liter bottle)	S008622
VG08-02 8 Fiber/250 µm V-Groove	S018743	CC-48 Transit Case	S018672
VG04-02 4 Fiber/250 µm V-Groove	S018744	Splicer V-groove Cleaning Kit	S014397
FUSEConnect® Accessories		ST-03 Case and Work Tray Strap	S017549
FH-FC-20 (900 µm within 2.0 mm sheathing) (each)	S014696	AFL Tote Solution - Cleat Installation Service	S018623
FH-FC-30 (900 µm within 3.0 mm sheathing) (pair)	S014695		
FH-FC-900 (900 µm cable) (each)	S014697		
CLAMP-FC-2000 (pair)	S014705		

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Fujikura 100R Fusion Splicer

Specifications

Parameter	Value	
Fiber Alignment Method	Self-Cladding alignment with Surface Melting Tension	
Fiber Count Can Be Spliced	Single and up to 16 Fiber Ribbon with Applicable V-groove	
Applicable Fiber	Fiber Type	Single-mode Fiber
	Cladding Diameter	Multimode Fiber
Applicable Coating	Fiber Holder	Approx. 125 µm
	Fiber Holder	Coating Shape: Refer to Options Cleave Length: Approx. 10 mm
Fiber Splice Performance	Splice Loss	ITU-T G.652: Avg 0.05 db
		ITU-T G.651: Avg 0.02 db
		ITU-T G.653: Avg 0.08 db
		ITU-T G.655: Avg 0.08 db
Splice Time	ITU-T G.657: Avg 0.08 db	
	SM Fast Mode: Avg 16 to 18 Seconds SM Auto Mode: Avg 19 to 21 Seconds	
Applicable Protection Sleeve	Sleeve Type	Heat Shrinkable Sleeve
	Sleeve Length	Max. 66 mm
	Sleeve Diameter	Max. 6.0 mm before Shrink
Sleeve Heat Performance	Heat Time	40 mm FP-05 Mode: Avg 33 to 40 Seconds
		40 mm FP-04T Fast Mode: Avg 19 to 26 seconds Single 60 mm Mode: Avg. 8 to 15 Seconds
Fiber Tensile Test Force	Approx. 2.0 N	
Electrode Life	Approx. 1,500 Splices	
Physical Description	Dimensions W	157 mm
	Dimensions D	178 mm
	Dimensions H	171 mm
	Weight	2.6 kg 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. 3,700 m
AC Adapter	Input	AC100 to 240V, 50/60Hz, Max. 1.5A
	Output	Approx. DC 12V, max. 7A
Battery Pack	Type	Rechargeable Lithium Ion
	Output	Approximately DC 12 V, Max 5A
	Capacity	Approximately 165 Splices with Heat Shrink
	Temperature	Operate: -10 to +50°C
		Recharge: 0 to +40°C
		Storage < One (1) Year: -20 to +20°C
Storage < Three (3) Months: -20 to +40°C Storage < One (1) Month: -20 to +50°C		
Recharge Time	≤ Six (6) Hours from Empty	
Battery Life	Approximately 500 Recharge Cycles	
Display	LCD Monitor	TFT 4.95 inch Tough Screen
	Magnification	Approx. 30x: 12-Fiber Ribbon Approx. 90x: Single Fiber
Illumination	V-Grooves	LED Lamp
	Splice Mode	100 splice modes
Data Storage	Heat Mode	30 heat modes
	Splice Result	20,000 splices
	Splice Image	100 images

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Fujikura 100R Fusion Splicer

Specifications (cont.)

Parameter	Value
Automatic Functions	Splice-mode Select by Fiber Count Analysis
	Fusion Power Calibration
	Fully Automatic Cleaver Blade Management
	Wind Protector: Open and Close
	Clamp: Auto Clamping Force Adjustment
	Z-Holder Base: Auto Placement Correction
	Z-Holder Base: Gap Alignment Correction
	Splice Start
	Heater Lid: Open and Close
	Heater Clamp: Open and Close
Other Features	Heater Start
	Reference Guide
	Video and PDF Store on Splicer
	Electrode
	Replaceable without Tool
	Software for PC
	Splicer Update via Internet
	Parameter Upload and Download
	Operating Splicer with PC
	Splice Image Download to PC
GPS	Splice Location Recorded to Memory
	GEO Fencing
Screw Hole for Tripod	1/4-20 UNC

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Fujikura 100S Fusion Splicer

Built for the demands of modern fiber installation, the Fujikura 100S Fusion Splicer combines intelligent automation with user-first design to streamline daily splicing tasks. From faster fiber preparation and alignment to smart adjustments that eliminate manual guesswork, the 100S helps technicians work more efficiently and with greater confidence.

Its customizable interface adapts to the user, not the other way around, while robust engineering ensures consistent, high-quality splices in any environment. Whether you're on a tight schedule or tackling complex jobs, the 100S is designed to save time, reduce errors, and support peak performance in the field.

Intuitive Operation: Large LCD screen makes splicing as easy as using a smartphone.

Dual Fiber Preparation: The Fujikura 100S splicer supports dual fiber loading, allowing technicians to place two prepared fibers into the machine simultaneously. This can reduce splicing time by up to 30%!

Automated fiber-length adjustments: The 100S Fusion Splicer ensures optimal fiber positioning automatically for a perfect splice every time. If there's too little fiber in front of the electrodes, the splicer automatically pulls more through; if there's too much, it retracts the excess.

Splice Coach: For seasoned technicians, the built-in Splice Coach will help guide you to learn new techniques, improving your productivity and reinforcing splicing best practices.

Simple Fiber Guide: A built-in embedded fiber guide makes fiber loading faster and more accurate by allowing you to simply place the fiber into the guide while the splicer handles alignment.

Custom Splicer Setup: The 100S features a personalized splice settings menu that uses visual diagrams and detailed explanations to show how each parameter affects splicer components for confident customization.

GPS Tracking: The 100S features Location-Based Locking, which allows technicians to define a GPS-based Secure Zone where the device remains fully operational. If moved outside this designated area, the splicer automatically locks to prevent unauthorized use or theft. It also records the location of each splice for comprehensive tracking.

USB Power and Recharging: The 100S supports fast USB-C recharging (4-6 hrs.) and external battery support when the job runs longer than expected.



Features

- Automated wind protector, tube heater and splice operation
- Dual fiber loading reduces preparation time
- Embedded fiber guide for accurate, error-free fiber loading
- Built-in Splice Coach virtual mentor to improve productivity
- Custom Splicer Setup menus with new UI and visual diagrams
- GPS splice stamp for location record keeping
- Location Based Locking prevent unauthorized use or theft
- USB-C charging and data port
- Multi-function transit case with integrated workstation

Applications

- Distribution fiber repair
- Long-haul network installation
- Field termination with splice-on connectors
- Access network installation
- Fanout kits, pigtails and splice cassettes
- OSP cable installation and repair
- Optical modules – splitters, couplers, MUXs, EDFAs and attenuators

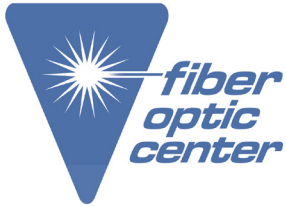
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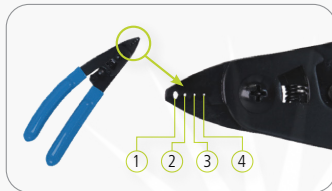
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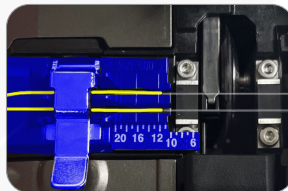
Fujikura 100S Fusion Splicer

Features

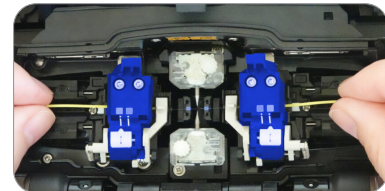


Fiber Stripper SS-05

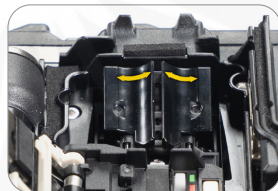
- ① For 2.3 mm
- ② For 900 μm
- ③ For 250 μm
- ④ For 250 μm



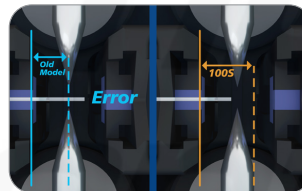
Dual Cleaving



Dual Fiber Loading



Fiber Placement Guide



Expanded Fiber Setting

Ordering Information

Description	AFL No.
Fujikura 100S Fusion Splicer (machine only) Includes: ADC-22 AC Adapter, ACC-19 AC Cord, BTR-19 Battery, ELCT2-16C Spare Electrodes (pair), Sheath Clamps, SP-05 Fiber Holder Set Plates, USB-02 Cable, Alcohol Dispenser, Splicer Carrying Strap, Quick Reference Guide, TS-04A Tripod Screw, Work Tray J-Plate, SS05 single fiber stripper, CC-48 Transit Case with Carrying Strap and Two-Year Warranty	S018656
Fujikura 100S Standard Fusion Splicer Kit (with cleaver) Includes: CT60 Cleaver, ADC-22 AC Adapter, ACC-19 AC Cord, BTR-19 Battery, ELCT2-16C Spare Electrodes (pair), Sheath Clamps, SP-05 Fiber Holder Set Plates, USB-02 Cable, Alcohol Dispenser, Splicer Carrying Strap, Quick Reference Guide, TS-04A Tripod Screw, Work Tray J-Plate, SS05 single fiber stripper, CC-48 Transit Case with Carrying Strap and Two-Year Warranty	S018655
Fujikura 100S Fusion Splicer without Bluetooth (machine only) Includes: ADC-22 AC Adapter, BTR-19 Battery, ACC-19 AC Cord, ELCT2-16C Spare Electrodes (pair), Sheath Clamps, SP-05 Fiber Holder Set Plates, USB-02 Cable, Alcohol Dispenser, Splicer Carrying Strap, Quick Reference Guide, TS-03 Tripod Screw, Work Tray J-Plate, SS03 Single Fiber Stripper, CC39 Transit Case with Carrying Strap and Two-Year Warranty	S018693
Fujikura SpliceReady 100S Splicer Kit includes: Fujikura 100S Standard Kit (S018655), FP-60 60 mm (single splice) protection sleeve (pack of 100), FCC2 fiber cleaning fluid (3 oz.), AFL WFW wipes mini tub (90 wipes), Kevlar scissors, FH-70-900 fiber holders (pair), FH-70-250 fiber holders, Mechanical Splice Fiber Holder (250 μm), Sharpie, Splicer V-groove cleaning kit, FH-FC-900 fiber holder (900 μm cable)	S018696
One-Year Extended Warranty	S012996
Two-Year Extended Warranty	S013000

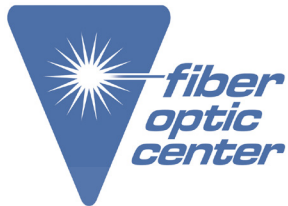
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Recommended Products for the 100S

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Cleavers		Miscellaneous	
CT-60 Cleaver	S018654	SS05 Dual Fiber Stripper (4 hole)	S018327
Fiber Holders (pair)		ELCT2-16C Electrodes	S018669
FH-70-250 (250 µm coated fiber)	S017111	SP-05 Fiber Holder Set Plates	S018671
FH-70-900 (900 µm jacketed fiber)	S017113	Portable Tripod Worktray Kit (see product profile for more detail)	S014773
FH-70-160 (160 µm coated fiber)	S017095	ASW-02 Splicing Workstation (see product profile for more detail)	S010532
FH-70-200 (200 µm coated fiber)	S017711	WT-11R Transit Case - Work Tray Right (100 Series)	S018674
FH-60-LT900 (Loose buffer 900 µm fiber)	S015181	WT-11L Transit Case - Work Tray Left (100 Series)	S018673
FUSEConnect® Accessories		JP-11 Work Tray J-Plate	S018675
FH-FC-20 (900 µm within 2.0 mm sheathing) (each)	S014696	JP-12 J-Plate (Cooling tray attaches to splicer)	S018681
FH-FC-30 (900 µm within 3.0 mm sheathing) (pair)	S014695	TS-04 Tripod Screw (100 Series)	S018677
FH-FC-900 (900 µm cable) (each)	S014697	CLAMP-DC-12 (Drop cable clamp for work tray)	S017550
CLAMP-FC-2000 (pair)	S014705	USB-02 Cable	S018668
CLAMP-FC-3000 (single holder)	S014704	CC-48 Transit Case	S018672
Power Supply Options and Equipment		Splicer V-Groove Cleaning Kit	S014397
ADC-22 AC Adapter	S018666	ST-03 Fusion Splicer Carrying Case Strap	S017549
ACC-19 AC Power Cord	S018667		
BTR-19 Battery	S018670		
DCC-20 Power Cord	S017527		
(connects AC Adapter to cigarette lighter socket)			
DCC-21 Power Cord	S017528		
(connects AC Adapter to power source via alligator clips)			

Specifications

Parameter	Value
Fiber Alignment Method	Active core alignment
Fiber Count Can Be Spliced	Single fiber
Applicable Fiber	Fiber Type
	Cladding Diameter
Applicable Coating	Sheath Clamp
	Splice Loss
Fiber Splice Performance	Splice Time
	Applicable Protection Sleeve
Sleeve Heat Performance	Heat Time
	Fiber Tensile Test Force
Electrode Life	
Physical Description	Dimensions W
	Dimensions D
	Dimensions H
	Weight

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Specifications (cont.)

Parameter	Value	
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. 5,000 m
AC Adaptor	Input	AC100 to 240 V, 50/60 Hz, Max. 1.5 A
Battery Pack	Type	Rechargeable Lithium Ion
	Output	Approx. DC14.4V / 6,380 mAh
	Capacity	Approx. 300 splice and heat cycles
	Temperature	Operate: -10 to 50°C Recharge: 0 to 40°C Storage < 1 year: -20 to 20°C; < 1 month: -20 to 50°C
	Battery Life	Approx. 500 recharge cycles
	Recharge Time	Approx. 4-6 hours from empty
Display	LCD Monitor	TFT 5 inches with touch screen
	Magnification	320x
Illumination	V-Grooves	LED lamp
Interface	PC	USB2.0 Type C (USB PD compatible)
	External Led Lamp	USB2.0 A type, Approx. DC5V, 500 mA
	Ribbon Stripper	Mini DIN 6 pin, DC12V, Max. 1A
	Wireless	Bluetooth 5.2 LE
Data Storage	Splice Mode	100 splice modes
	Heat Mode	30 heat modes
	Splice Result	20,000 splices
	Splice Image	100 images
Screw Hole For Tripod		1/4-20 UNC
Other Features	Automatic Functions	Splice mode select by fiber type analysis – Function Control and Discharge power calibration Wind protector: open/close Sheath clamp: open Heater lid: open/close Heater clamp: open/close
	Reference Guide	Video and PDF file stored in splicer
	Sheath Clamp	Easy sleeve positioning clamp Close with fiber set (optional) Guild for fiber loading (optional)
	Electrode	Replaceable without tool
	GPS	Document splice location into memory Security disable feature for out of region operation No tracking function

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Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice. FOC last update 6/3/2026.