



 Bluetooth®

19R+



In case with lid detached

Fujikura 19R+ Fusion Splicer

The Fujikura 19R+ is equipped with a precision, fixed v-groove for splicing single fibers or ribbon fiber up to 4 fibers. Incorporating the proven ruggedized features pioneered by Fujikura, the 19R+ has added automated and enhanced user control features to increase splicing efficiency. A user programmable, automated wind protector expedites the splicing process by automatically closing to initiate the splice process, and opening upon splice completion. A new auto-start “clamshell design” tube heater applies heat to both sides of the splice protection sleeve resulting in a 18-second shrink time for 4-fiber ribbon. The result is a total splice process time of approximately 29 seconds! Ruggedness and durability are greatly enhanced by a mirror-less optical system and “severe-impact resistant” monitor. Battery capacity is now 140 splices/shrinks.

An innovative transit case doubles as a built-in or mobile workstation and makes splicing easier than ever before. In an industry first, the 19R+ is also equipped with Bluetooth® technology. This allows the splicer to actively communicate with Bluetooth enabled fiber preparation accessories making maintenance of fiber preparation tools easier than ever!

Features

- Bluetooth wireless communication
- Automated and programmable wind protector
- 18-second automated tube heater
- Fully ruggedized for shock, dust and moisture
- Li-ion battery with 140 splices/shrinks per charge
- On-board training and support videos
- Internet software upgrades
- Multi-function transit case with integrated workstation

Ordering Information

DESCRIPTION	AFL NO.
19R+ Fusion Splicer (machine only) Includes: ADC-18 AC Adapter, ACC-14 AC Cord, ELCT2-20A Spare Electrodes (pair), FH-50-4 Fiber Holder, USB Cable, Alcohol Dispenser, Screw Driver, Sleeve Loader, Splicer Carrying Strap, Quick Reference Guide, Video Instruction Manual and CC30 Transit Case with Carrying Strap	S015659
19R+ Fusion Splicer Kit (with cleaver) Includes: CT50 Cleaver, ADC-18 AC Adapter, ACC-14 AC Cord, ELCT2-20A Spare Electrodes (pair), FH-50-4 Fiber Holder, FH-50-250 Fiber Holder, FH-50-900 Fiber Holder, RS02 Stripper, USB Cable, Alcohol Dispenser, Screw Driver, Sleeve Loader, Splicer Carrying Strap, Quick Reference Guide, Video Instruction Manual and CC30 Transit Case with Carrying Strap	S015660
19R+ Fusion Splicer Kit (with cleaver, battery and cord) Includes: BTR-09 Battery, DCC-18 Battery Charge Cord, CT50 Cleaver, ADC-18 AC Adapter, ACC-14 AC Cord, ELCT2-20A Spare Electrodes (pair), FH-50-4 Fiber Holder, FH-50-250 Fiber Holder, FH-50-900 Fiber Holder, RS02 Stripper, USB Cable, Alcohol Dispenser, Screw Driver, Sleeve Loader, Splicer Carrying Strap, Quick Reference Guide, Video Instruction Manual and CC30 Transit Case with Carrying Strap	S015661
One Year Extended Warranty	S012996
Two Year Extended Warranty	S013000

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Recommended Accessories for the 19R+

DESCRIPTION	AFL NO.
Cleavers and Strippers	
CT08 Cleaver	S017004
CT50 Cleaver	S017030
RS02 Thermal Stripper	S016816
Fiber Holders	
FH-50-250	S013800
FH-50-900	S013804
FH-50-4	S013812
FH-50-2	S013808
FH-60-LT900 (pair)	S015181
FUSEConnect® Accessories	
FH-FC-20 (900 µm within 2.0 mm sheathing) (each)	S014696
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
CLAMP-FC-3000 (pair)	S014704

DESCRIPTION	AFL NO.
Batteries and Power Cords	
ADC-18 AC Adapter	S015585
ACC-14 AC Power Cord	S014536
BTR-09 Battery and DCC-18 Charge Cord	S016780
BTR-09 Battery	S015581
DCC-18 Battery Charge Cord	S015582
DCC-12 Power Cord (connects AC Adapter to cigarette lighter socket)	S013552
DCC-13 Power Cord (connects AC Adapter to power source via alligator clips)	S013556
Miscellaneous	
ELCT2-20A Electrodes	S013532
Portable Tripod Workstation (see product profile for more detail)	S014773
ASW-02 Splicing Workstation (see product profile for more detail)	S010532
JP-06 J-PLATE (70/19 Series)	S016100
FST-12	S014012
FAT-04 Fiber Arrangement Tool	S010212
FAA-03A Ribbon Forming Adhesive (4 oz. bottle)	S008720
FAA-03A Ribbon Forming Adhesive (0.5 liter bottle)	S008622
USB Cable	S014777
CC-30 Transit Case	S015587
Splicer V-Groove Cleaning Kit	S014397

Specifications

PARAMETER	VALUE
Model	FSM-19R+ Fusion Splicer
Applicable Fibers	Single-mode (G.652 & G.657), Multimode (G.651), DS (G.653), NZDS (G.655)
Fiber Count	Single, 2, 4
Cladding Diameter	125 µm
Coating Diameter	Ribbon: 0.25 mm to 0.4 mm; Single: 250 µm and 900 µm
Fiber Cleave Length	10 mm
Typical Average Splice Loss	0.05 dB with SM, 0.02 dB with MM, 0.08 dB with DS, 0.08 dB with NZDS, measured by cut-back method relevant to ITU-T standards
Splicing Time	SM FAST mode - 11 seconds; SM AUTO mode - 15 seconds; Auto mode - 15 seconds
Arc Calibration Method	Automatic, real-time by using results of previous splice when in AUTO mode, manual arc calibration function available
Splicing Modes	100 preset and user programmable modes
Splice Loss Estimate	Based upon dual camera cladding alignment data
Storage of Splice Result	Last 2000 splice results stored in the internal memory
Fiber Display	X or Y, or both X and Y simultaneously; front or rear monitor display options with automatic image orientation
Magnification	90X
Viewing Method	Dual cameras with 4.7 inch TFT color LCD monitor with anti-reflective coating
Operating Condition	0 to 5,000 m above sea level, 0 to 95% RH, -10 to 50°C respectively
Mechanical Proof Test	1.96 to 2.25 N
Tube Heater	Built-in tube heater with 30 heating modes; auto-start function
Tube Heating Time	Typical 40 seconds with FP-5 sleeve, 17 seconds with FP3 (40), 5-16 seconds with Fujikura micro sleeves
Protection Sleeve Length	60 mm, 40 mm, micro
Splice/Heat with Battery	Typical 140 cycles with power save functions activated
Electrode Life	2,000 Arc Discharges
Power Supply	Auto voltage selection from 100 to 240V AC or 10 to 15V DC with AC Adapter, 13.2V DC with battery
Terminals	USB 2.0 (USB-B type) for PC communication, Mini-DIN (6-pin) for RS02/RS03
Wind Protection	Maximum wind velocity of 15m/s (34 mph)
Dimensions	146 W x 159 D x 150 H (mm) / 5.7 W x 6.3 D x 5.9 H (inches)
Weight	2.3 kg (5.1 lbs) with AC adapter; 2.5 kg (5.5 lbs) with battery