

Fujikura 70R

Fujikura 70R SM MM Ribbon Fiber Fusion Splicer

Features:

- * Automated and programmable wind protector
- * 40-second automated tube heater
- * Fully ruggedized for shock, dust and moisture
- * Li-ion battery with 110 splices/shrinks per charge
- * On-board training and support videos
- * Internet software upgrades
- * Multi-function transit case with integrated workstation



The Fujikura 70R is equipped with a precision, fixed v-groove for splicing single fibers or ribbon fiber up to 12 fibers. Incorporating the proven ruggedized features pioneered by Fujikura, the 70R 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 40-second shrink time for 12-fiber ribbon. The result is a total splice process time of approximately 55 seconds! Ruggedness and durability are greatly enhanced by a mirror-less optical system and "severe-impact resistant" monitor. Battery capacity is now 110 splices/shrinks. An innovative transit case doubles as a built-in or mobile workstation and makes splicing easier than ever before.



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Specifications:

Applicable Fibers	Single-mode (G.652 & G.657), Multimode (G.651), DS (G.653), NZDS (G.655)
Fiber Count	Single, 2, 4, 5, 6, 8, 10, 12
Cladding Diameter	125 um
Coating Diameter	Ribbon: 0.25 mm to 0.4 mm, Single: 250 碌m and 900 碌m
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	Typical 15 seconds with standard single-mode fiber
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
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	35X to 90X
Viewing Method	Dual cameras with 4.7 inch TFT color LCD monitor with anti-reflective coating
Operating Condition	0 to 3,660 m above sea level, 0 to 95% RH, and -10 to 50掳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), 5-15 seconds with Fujikura micro sleeves
Protection Sleeve Length	60 mm, 40 mm, Micro
Splice/Heat Cycles with Battery	Typical 110 cycles with power save functions activated
Electrode Life	1,500 Arc Discharges
Power Supply	Auto voltage selection from 100 to 240V AC or 10 to 15V DC with ADC-18, 14.8V DC with BTR-09 battery
Terminals	USB 2.0 (USB-B type) for PC communication and Mini-DIN (6-pin) for HJS-02/03
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