



FSR-02 Fiber Recoater

To meet the small package requirements of OEMs, AFL Telecommunications offers the FSR-02 fiber recoater. The FSR-02 eliminates the need for splice protection sleeves by automatically recoating a colored or non-colored fiber back to the original coating diameter after a splice is complete. Programmable for recoating lengths from 4 to 50mm and proof testing from 4 to 20 Newtons, this unit stores data for 100 cycles which are easily downloadable to a PC. For splices that may fail the proof test, the breaking load is displayed. A compact and low profile design makes for comfortable bench top operation in the factory environment.

features

- Automatic, easy operation
- Colored and non-colored fiber recoating capability
- Compact and low profile design for bench-top operation
- Programmable proof test capability with breaking load display function
- Programmable resin injection quantity
- PC interface with RS-232C
- Data storage for the last 100 cycles
- Easy-to-exchange molds for all common coating sizes (165µm, 250µm, 400µm and 900µm)
- Compatible with special recoating compound to provide higher stiffness recoating of 900µm jacketed fibers
- Complete set of LabVIEW® drivers for simplified automated production-line control & integration

specifications

PARAMETER	VALUE
Dimensions (W x D x H)	255mm x 150mm x 130mm
Weight	3.8kg
Power supply	AC 100 to 240V, 50 to 60 Hz
Recoating time	Injection 15 sec / Curing 15 sec
Proof test	4 to 20N (0.4 to 2kgf), 0 to 60 seconds, programmable
Data storage	100 recoat cycles, PC downloadable
Fiber coating diameter	165µm, 250µm, 400µm and 900µm
Recoat diameter	195µm, 280µm, 450µm, and 1000µm
Recoat length	4 to 50mm
UV curable material capacity	53cc
Recoat and proof modes	30 programmable modes
Operating conditions	10° to 30°C, 0 to 90% humidity, non-condensing
Storage conditions	-40° to 60°C, 0 to 90% humidity, non-condensing

ordering information

DESCRIPTION	PART #
FSR-02 Fiber Recoater The FSR-02 Fiber Recoater comes with ADC-10 AC Adapter, AC Cord, fiber protection cover and operation manual (mold sold separately).	S012728

accessories

DESCRIPTION	PART #
FSR-02-MOLD-195 Mold for recoating 165µm coated fiber	S013272
FSR-02-MOLD-280 Mold for recoating 250µm coated fiber	S012972
FSR-02-MOLD-450 Mold for recoating 400µm coated fiber	S012976
FSR-02-MOLD-1000 Mold for recoating 900µm jacketed fiber	S013212
Force gauge for calibrating proof tester	S013092
Force gauge mounting table (required with gauge)	S013088
Spare UV lamp	S013012