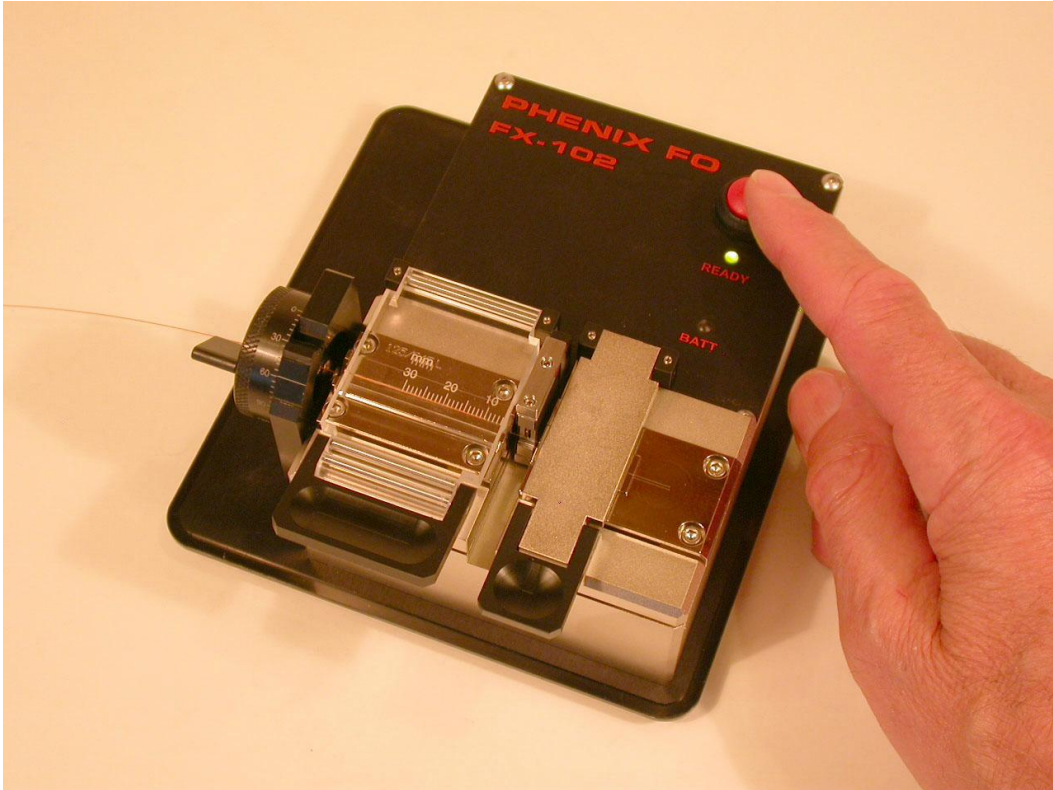


PHENIX FO, FX-102 ANGLE CLEAVER



total microprocessor control
diamond cleaving precision
0.2 to 30 mm cleave length
0 to 12° cleaving angle
USB connectivity
ferrule adapters available
>220,000 cleaves diamond lifetime



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PHENIX FO FX-102 ANGLE CLEAVER

The FX-102 utilizes the same proven microprocessor platform as the FX-101 with a calibrated fiber rotator to induce torsion stress in the fiber and produce an angle cleave. Fiber adapter inserts are available to cleave a range of fiber coating and cladding diameters. Cleave length range from 0.2 mm to 30 mm. Ferrule fiber stubs can be cleaved to length accuracy of ± 0.02 mm with a suitable adapter designed for the ferrule diameter and fiber stub cut length. Featuring an unsurpassed diamond lifetime of >220,000 cleaves, the FX-102 is easy to use, rugged, compact, battery powered and ready for the lab or the field.

FEATURES AND BENEFITS

Total Microprocessor Control

Control of all variables to produces precise, consistent and dependable cleaves.

USB connectivity

Laptop can be used to change cleaver parameters and readout cleaver data.

Unique Diamond Scoring Mechanism*

Produces a near invisible score mark for a better cleave.

Ergonomically Designed

Sized for the human hand, intuitive, easy to use.

Fiber Inserts

Adapts to a range of coated fiber, bare clad and ferrule diameters with suitable adapters.

Wide Fiber Clamps

Preserves the integrity of the clad fiber without crushing.

Monolithic Construction*

Rugged dependability with small footprint for portability.

Transparent Fiber Clamp with Length Scale*

Cleaved fiber calibrated length setting.

Protective Cover

Tough, transparent cover protects the entire instrument.

Battery Powered

Portable for field or lab use.

SPECIFICATIONS

Fiber Type

SM, MM and others

Cladding/Coating Diameter

80 to 200 μm /150 to 900 μm

Coated Fiber Inserts

125/245, 125/400 and 125/900 μm ,
other size inserts available

Ferrule adapters

Ferrule adapters inserts are available.

Cleave Length

Calibrated scale; 6 to 30 mm,
Uncalibrated; 0.02 to <6 mm

Cleave angle

2 to 12°

0.5° standard deviation for an 8° cleave

Diamond Lifetime

220,000 cleaves, >440 diamond positions,
>500 cleaves per position

Power Input

Battery powered,
100-240 Vac, 50-60Hz input

Cleaves per Battery Charge

400 cleaves

Controls

Power on and cleave cycle actuation button.

Cleaver Status LED

Standby, cleaving and error mode indications.

Battery Status LED

Charged, discharged and charging indications.

Weight

2.8 lbs, 1.25 kg

Dimensions, with cover installed

5½x5¾x3⅞ in., 140x146x80 mm, WxDxH.

*Patent pending features

Phenix FO

800.716.8052

sales@phenixfo.com

www.phenixfo.com