



- SINGLEMODE PERFORMANCE**
- COMPLETE HAND-HELD OPERATION**
- INDEPENDENT SUSPENSION WORKHOLDERS**
- SUPPORTS ALL INDUSTRY STANDARD AND MIL-SPEC CONNECTORS/TERMINI**
- TELCORDIA COMPLIANT**

SPECIFICATIONS AND FEATURES

Optical Performance¹

Back Reflection

- < -60 dB, UPC
- < -65 dB, APC

Insertion Loss

- < 0.25 dB, typical

¹ Optical performance may vary between connector manufacturers.

Polishing Performance²

Apex Offset

- < 50 microns, maximum
- < 15 microns, typical

Radius of Curvature

- 10-25 mm, 2.5 mm ferrules
- 7-20 mm, 1.25 mm ferrules
- 5-12 mm, APC ferrules

Undercut/Protrusion³

- 0 to -50 nm

² Polishing performance meets and exceeds Telcordia specifications, and can be optimized for specific applications.
³ Dependent upon radius of curvature

Operational

Connector Support

- All industry standard, Mil-spec and custom connectors/termini

Process Time⁴

- New termination: 2 min.
- Connector repair: < 1 min.

Polishing Pressure

- Adjustable, linear displacement

Cycle Timing

- User adjustable

Polishing Motion

- Random orbital

Power

- 9 volt alkaline
- AC adapter

Weight

- 1.8 lbs

⁴ Singlemode UPC/APC finish.

Production performance is now available in field environments in the form of Proton™. Though portable and battery operated, Proton™ consistently achieves singlemode UPC and APC finishes. Proton™ incorporates the same Independent Suspension (IS) and optically aligned workholder design⁵ found in Krell's mass production Scepter™ Polishing System.

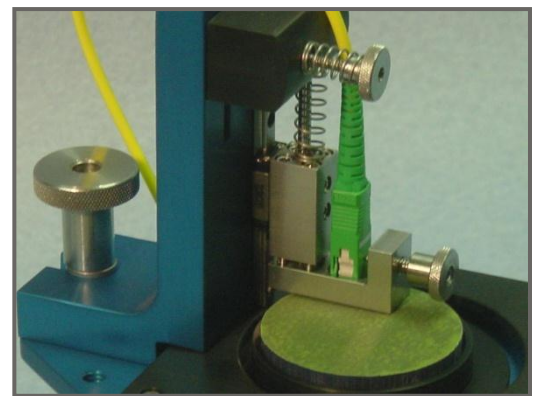
VERSATILE

Proton™ has been conceived for true hand-held operation. Connectors can be loaded, polishing pressure set and films changed-out without the need of a table, workbench or external support. Proton™ can polish connectors sideways and at most orientations, permitting access to cabling in the tight confines of wire closets, cross-connects and fiber nodes.

PORTABLE

This unique design makes Proton™ the ideal choice for all field networks such as Fiber to the Home/Premise (FTTX), shipboard/aircraft, CATV and LAN. Whether the application is a new installation, connector repair or even R&D efforts, Proton™ provides the required performance.

⁵ Patent No. 7,070,338B1. Specifications are subject to change without notice. Rev. 2, 1/13



Proton™ workholders feature Independent Suspension (IS) for controlled pressure and uniform contact with the polishing surface. The workholder is also optically aligned for optimal polish