



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.

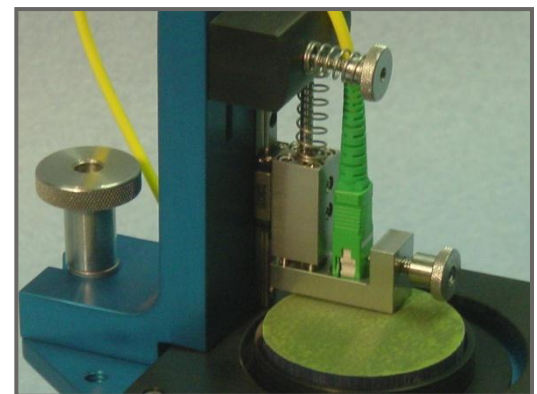
VERSATILE

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