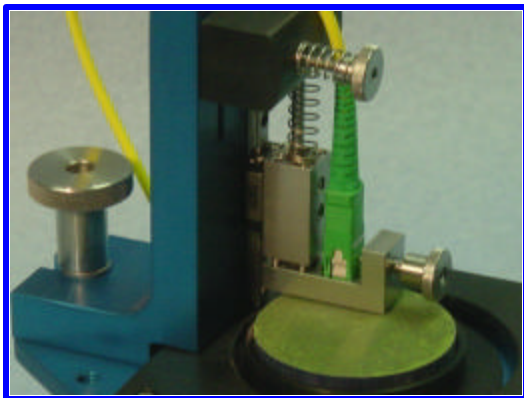




Proton^o FTTX Field Polisher

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



Proton^o workholders feature Independent Suspension (IS) for controlled pressure and uniform contact with the polishing surface. The workholder is also optically aligned for optimal polish geometry⁵.

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

ProtonTM 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. ProtonTM can polish connectors sideways and at most orientations, permitting access to cabling in the tight confines of wire closets, cross-connects and fiber nodes.

This unique design makes ProtonTM 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, ProtonTM provides the required performance.

Operational

Connector Support

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

Process Time⁴

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

Polishing Pressure

Adjustable, linear displacement

Cycle Timing

User adjustable

Polishing Motion

Random orbital

Power

9 volt alkaline
AC adapter

Weight

1.8 lbs

⁴Singlemode UPC/APC finish.

Polishing Performance¹

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/Protrusion²

0 to -50 nm

¹Polishing performance meets and exceeds Telcordia specifications, and can be optimized for specific applications.

²Dependent upon radius of curvature.

SPECIFICATIONS AND FEATURES

Optical Performance³

Back Reflection

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

Insertion Loss

<0.25 dB, typical

³optical performance may vary between connector manufacturers

⁵Patent pending

Specifications are subject to change without notice. Rev. 1, 1/05

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