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## 1lb Test Instrument



1lb Test Instrument

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### Product Downloads

#### General

**Note:**

Used for testing moderate abrasion resistance.  
Calibration of spring is NIST traceable.

#### Regulatory Compliance

Reach 224:

[Compliant](#)

Certificate of Conformance:

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## Product Details

- Test Optical Coatings for Abrasion and Adhesion Resistance per ML Specifications
- Includes Instructions and Certifications of Conformance
- Replacement Erasers, Cheesecloth, and Other Components Available

Coating Testing Kits for Military Specifications (ML-SPEC) feature all the tools and supplies needed to test optical coatings for abrasion and adhesion resistance to ML-C-675, ML-M-13508, ML-F-48616, and ML-PRF-13830B standards. Two instruments are included for testing abrasion resistance: a brass one with a 2 ½ lb spring to test severe abrasion resistance and an aluminum one with a 1 ¼ lb spring to test moderate abrasion resistance. The eraser inserts included with these two instruments are certified to conform to MIL-E-12397 and the calibration of the springs is NIST traceable. Cheesecloth meeting MIL-CCC-C-440 for moderate abrasion testing and tape meeting ML-A-A113 Rev. D for adhesion testing are also included. Coating Testing Kits for Military Specifications are an essential optical testing tool for those working in optics manufacturing, coating, or QA to ensure coated optics meet expected performance specifications.

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