

HANDHELD PORTABLE 3D FRICTION TESTER

Heidon H37 3D Muse Tribometer



SCIENCE OF SENSING



*Tomorrow's Testing, Today !
1-800-438-5388*

3D Portable Friction Tester

The World's Only 3-Dimensional Handheld Friction Tester

This simple-to-use device allows the user to conduct the accurate field testing of static friction on a variety of substances. The coefficient of static friction (μ_s) can be determined in less than 10 seconds on most stable surfaces. Conventional incline methods and manual strain gauges are now **obsolete!** If your measurement requirements call for measuring surfaces that may not be in a horizontal orientation where our H94 will work, the H37 will handle the task. In all three dimensions!

The ability to test in almost any situation opens new doors to product and process assessment. R&D personnel can easily analyze coating formulations on the finished products, not just on test panels. Manufacturing personnel can measure products on the production line, improving quality assessment and production throughput. Manufacturers that previously could not test certain products (liquids, films, fabrics, glass, plastics, cosmetics, floor coverings, papers, fibers, and foods) can now get their answers with the H37 3D Muse •••• accurately, reliably, quickly, and simply!

Simple Operation

1. Place the Tribometer on the surface to be tested.
2. Press the measure key. The voice coil motor increases the force exerted on a fixed slider until it begins to move. An integrated microprocessor measures the force vectors and calculates the coefficient.
3. Averages can be automatically obtained from the unit to reduce operator judgment on heterogeneous surfaces.
4. Tests are easily repeatable ••• just push the measure key and see your result in five seconds!

Applications

The H37 3D Muse has a variety of uses and provided the capability to measure objects and applications never previously feasible. Some of these include:
Floors, walls, furniture, cosmetics, belts and rollers on conveyor lines, film, fabric and paper samples (in situ).

Additional Surface Testing Devices

We offer a **complete line of testing machines** for surface assessment. We have desk-top units to determine static and dynamic friction, fluctuations in frictional resistance due to abrasion, evaluation of film adhesion, surface scratch hardness, surface stickiness, tensile strength, and peeling resistance.

We can test hard and soft surfaces (**textiles, food, packaging, leathers, carpets, lubricants, etc.**) on both flat and curved surfaces. In addition, we have units to measure fluid mixing resistance as well as a complete line of laboratory mixers.

If you need to measure surface properties, wish to place an order, or, if you require additional guidance on model selection, please call toll-free!

Tomorrow's Testing, Today!

Kett offers a complete line of innovative measurement devices — for laboratory, field, and commercial applications. If your company needs fast, accurate measurements, please call Kett!



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Sales, Support, Service

Specifications

| | |
|------------------------------|----------------------------------|
| Model | H37 |
| Measuring Range | 0.000-1.300 |
| Resolution | 0.001 |
| Sensor | Voice Coil Motor Photo Sensor |
| Display | Red LED |
| Power | 4-AA (AC Optional) |
| Carrying Case | Y |
| Options | AC/RS232 Specialty Test Jigs |
| Operating Temp. | 0-100F |
| Weight (Net/Ship) | .6/2 kg |
| Dimensions (WxDxH-mm) | 140x42x139 |

Warranty

All Kett Property Testing Instruments are covered by a full **3-year Total Care manufacturer's warranty** on parts and labor. Post-warranty maintenance agreements are also available. Please call for details.

Quality

We stand behind the durability and quality of our entire line of KETT Tribometers. The H37 offers a full **Three-Year** Manufacturer's warranty. We will repair the product or replace it for three years should it fail to perform to specifications during normal wear and tear.

Kett's dependable quality allows you to productively focus on improving your product's quality, not waste time calibrating and verifying our gauges.

When your quality is on the line, get on the line to KETT!

1-800-GET-KETT
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