

# Heidon, H, Tribovac, HHS

## Технические характеристики

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## Heidon14FW Surface Analyzer

Our most advanced and versatile model that replaces the flagship H14 and H14DR. This instrument contains a touchpanel interface. The 14DR provides immediate, accurate readings of many types of property measurements. By being able to measure static and dynamic friction coefficients, adhesion, scratch hardness, stickiness, tensile strength, and peel resistance with one unit, lab space is minimized and a consistent interface for measurements and data collection are provided. Various tests can be performed by changing test fixtures (jigs) and selecting the test parameters on the integrated computer software.

**SKU** HEIDON14FW

## Additional

**Weight** 81 lbs

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**Dimensions** 31 × 20 × 30 in

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## Multi-Functional System

The 14DR provides immediate, accurate readings of many types of property measurements. By being able to measure static and dynamic friction coefficients, adhesion, scratch hardness, stickiness, tensile strength, and peel resistance with one unit, lab space is minimized and a consistent interface for measurements and data collection are provided. Various tests can be performed by changing test fixtures (jigs) and selecting the test parameters on the integrated computer software.

**SKU** HEIDON14DR

## Additional

**Weight** 81 lbs

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**Dimensions** 31 × 20 × 30 in

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## Adhesion and Peeling Resistance Tester

Used in peeling and tensile strength assessment. The H17 contains a test piece that clamps on both sides, moves at the same speed, and evaluates the resistance on the object. This adhesion and peeling resistance tester is simple to use and contains the ability to measure a wide range of contents.

**SKU** H17

## Additional

**Weight** 81 lbs

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**Dimensions** 31 × 20 × 30 in

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## Continuous Load Tester

Similar to the H18L, the H22 allows a ball indenter to be loaded in addition to scratch needle loading. Thin to thick film adhesion, real-time measurement of friction (due to abrasion), surface scratch hardness and tackiness can be evaluated by this system.

**SKU**            H22

## Additional

<b>Weight</b>	81 lbs
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<b>Dimensions</b>	31 × 20 × 30 in
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## Desktop Tester

The I4S provides immediate, accurate readings of many types of property measurements. By being able to measure static and dynamic friction coefficients, adhesion, scratch hardness, stickiness, tensile strength, and peel resistance with one unit, lab space is minimized and a consistent interface for measurements and data collection are provided. Various tests can be performed by changing test fixtures (jigs). This system does not include the ability to output data.

**SKU** H14S

## Additional

<b>Weight</b>	81 lbs
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<b>Dimensions</b>	31 × 20 × 30 in
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## Disk / Ball Friction System

Disk-on-disk and ball-on-disk friction coefficients and abrasion can be measured with the H20. A disk or ball indenter is loaded onto the test piece and connected to a highly-sensitive strain gauge. As the turntable rotates, the load is transmitted to the PC software to display measurements up to 999,999 revolutions.

Rotational speed can be set between 10 and 600 rpm for varied analyses. Even delicate changes in friction can be readily identified and quantified for coating assessment or lubricant evaluation.

**SKU**            H20

## Additional

<b>Weight</b>	81 lbs
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<b>Dimensions</b>	31 × 20 × 30 in
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## H38

Benchtop low cost surface property tester including a 1000gf loadcell, Sapphire needle(0.05R 90 degrees x 1), Vertical gauge for sapphire needle(1), a set of combination deadweight, Power cable(1), Acrylic resin cover(1), Parts box(1), Tool spanner(1) and Operating instruction manual(1). Commissioning and Tribosoftware w/PC are not included. The set of combination deadweight includes 200gx1, 100gx2, 50gx1, 20gx1, 10gx2, 5gx1, 2gx1 and 1gx1.

**SKU**            H38





## Low-Load Wear Tester

This tribogear tester has a loading range from 0.1g to 10g and contains a housing that separates the drive unit from the measuring unit in consideration to the very low loading conditions. This provides unsurpassed precision by isolating even minor vibration. The upper sample fixing method utilizes the sample fixing jig with a table rotation speed that ranges from 30-3000 rpm.

SKU H36

## Additional

**Weight** 80 lbs

**Dimensions** 31 × 20 × 30 in



## Portable Tactile Meter

The H33 is a portable tactile meter that expresses sensory evaluation in numerical values. This meter can measure slippiness, blending, texture, and feeling. Its measurements range from 0-20N in X,Y,Z directions.

**SKU** H33

## Additional

**Weight** 81 lbs

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**Dimensions** 31 × 20 × 30 in

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# Reciprocating Scratch Analyzer

Advanced reciprocating scratch and surface property analyzer. Touch screen control and digital data collection software.

**SKU** H18LFW

## Additional

**Weight** 81 lbs

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**Dimensions** 31 × 20 × 30 in

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## Reciprocating wear tester

This simple reciprocating tester allows adjustment of travel speed and distance. Simultaneous testing is also an option as multiple samples can be run. The H30/30S has a maximum travel speed of 33000mm/min and a maximum travel distance of 50mm.

**SKU** H30/30S

## Additional

**Weight** 81 lbs

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**Dimensions** 31 × 20 × 30 in

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## Recovery Tester

Originally developed for the paint industry, a load is applied to a test piece and then removed. The probe displacement is measured to a 10um resolution by an optical displacement sensor. Repeated loadings (up to 999,999 cycles) allow the user to assess viscoelastic fatigue.

Textile or leather material textures, and the durability of sealing, packaging, packing or padding materials can be assessed. Characteristics of food, printed materials, photoengraved products, flooring materials, artificial skin and similar products can be measured.

**SKU** H24

## Additional

**Weight** 81 lbs

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**Dimensions** 31 × 20 × 30 in

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## Rotating Drum / Both-Way Sliding Combined Friction and Wear Tester

With this instrument, both-way slide testing and wear tester can now both be tested with one instrument. Not only does this benefit both parties, but the wear testing has also become more simplified. The H34's automatic both-way movement has a maximum of 9,999,999 movement number of times. This system also utilizes a dedicated chucking jig as its drum roller fixing method and has rotation direction/speed of 50-500rpm.

**SKU**                    H34

## Additional

<b>Weight</b>	120 lbs
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<b>Dimensions</b>	31 × 20 × 30 in
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## Rotating Drum System

Used to inspect friction between a rotating surface and sheets, the H16 can be used for textile, film and paper measurement, as well as assessing friction and wear characteristics of coated or plated surfaces (on the drum).

The sheet of test material is placed over 1/8 to 1/2 of the drum's diameter. A load is applied to the sheet and the other end connected to a strain gauge. When the drum rotates, friction occurs and its resistance is detected and displayed.

**SKU**                      H16

## Additional

**Weight**

81 lbs

**Dimensions**

31 × 20 × 30 in



## Scratch Tester

Scratch resistance is calculated as the result of continuous loading. A scratch needle is loaded onto the test surface. The mobile base holding the test piece travels with the applied load. When the scratch or film peeling begins, the vertical load can be calculated as the distance to the failure point can be precisely measured.

Various needle diameters and materials can be used to properly test almost any surface. Scratch hardness can be measured by using a fixed load instead of the continuous load module. This system does not have an output module

**SKU**                H18

## Additional

<b>Weight</b>	81 lbs
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<b>Dimensions</b>	31 × 20 × 30 in
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## Scratch Tester

Scratch resistance is calculated as the result of continuous loading. A scratch needle is loaded onto the test surface. The mobile base holding the test piece travels with the applied load. When the scratch or film peeling begins, the vertical load can be calculated as the distance to the failure point can be precisely measured.

Various needle diameters and materials can be used to properly test almost any surface. Scratch hardness can be measured by using a fixed load instead of the continuous load module. This system includes an analog output and PC data collection system.

**SKU**                  H18L

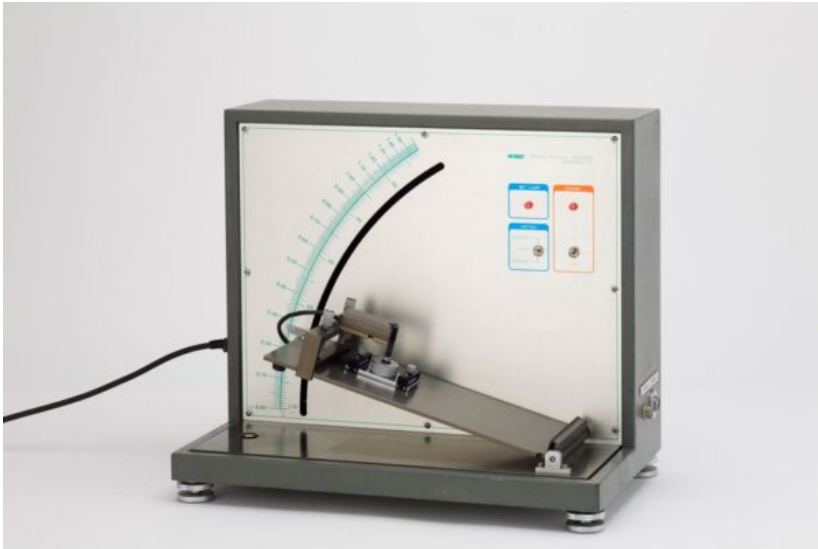
## Additional

<b>Weight</b>	81 lbs
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<b>Dimensions</b>	31 × 20 × 30 in
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## Static Friction Tester

Install a test piece onto the ascending board under the flat indenter. The ascending board is equipped with a sensor that monitors the motion of the flat indenter.

The ascending board is normally in the horizontal position. The board inclines and the sensor detects motion when the flat indenter starts sliding. The system is then stopped and the angle is measured to calculate the coefficient of static friction.

**SKU** H10

## Additional

**Weight** 45 lbs

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**Dimensions** 17 × 24 × 22 in

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## Wide-Range Load Friction and Wear Tester

Now with its wider range measurement range, the H35 allows for testing from a minimum of 20g to a maximum of 100kg. This allows for optimal rotational wear testing due to its ability to address low and high speeds. The H35 can conduct a single test up to a maximum of 9,999,999 times. The H35 also utilizes a non-contact type of thermometer with an interlocking system as its opening and closing type (safety cover).

**SKU** H35

## Additional

<b>Weight</b>	150 lbs
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<b>Dimensions</b>	31 × 20 × 30 in
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## Heidon Optical Strain Gauge

This unique device helps identify stress points on transparent and translucent plastics and polymers. Utilizing the principle of polarization, two film plates are turned to provide the optimal viewing index. Stress points are easily viewed through the large (280mm) circular viewing window.

**SKU** H25

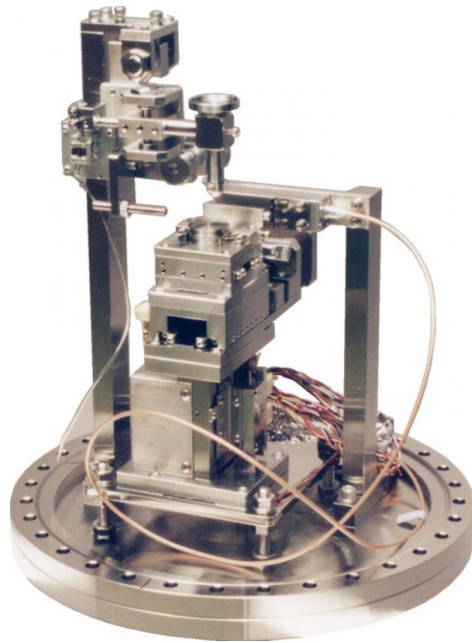
## Additional

**Weight** 35 lbs

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**Dimensions** 35 × 25 × 20 in

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## Vacuum Friction and Wear Tester

The Tribovac2000 is a vacuum friction and wear tester designed to incorporate various types of testing equipment inside a vacuum tank. It contains support for various types of friction and wear testing along with various testing conditions. As a loading method, this instrument utilizes the weight loading switching method with a turntable of 60mm as its diameter.

**SKU** Tribovac2000

## Additional

**Weight** 98 lbs

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**Dimensions** 44 × 44 × 44 in

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## Variable Normal Load Friction and Wear Measurement System

This Heidon product is a variable normal load friction and wear measurement system. It adds displacement measurement and image recording to the friction measurement.

The reliability and precision of this system is maintained while various functions have been included. The HHS2000/HHS3000 contains the ability of both high and low vertical loading with a travel speed of 0.1-20mm/second, an AC servo motor as its drive motor, and a rack and pinion as its drive method.

**SKU** HHS2000/HHS3000

## Additional

**Weight** 180 lbs

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**Dimensions** 48 × 48 × 48 in

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