

H14 Macro IRHD Hardness Tester

- One touch, fully automatic operation
- Accurate and consistent results
- Easy access to sample area
- Operator dependency reduced
- Range of sample tables
- Four models offered

The Wallace H14 is a digital, bench-mounted hardness tester designed for measuring in IRHD the hardness of standard rubber samples.

The robust, 'C' frame design allows the operator easy access from front and sides to safely load and remove samples. The indenter mounting is frictionless and its position sensed by an LVDT, providing the instrument with outstanding sensitivity. The adjustable anti-vibration feet reduce the effect of external vibration.

By simply pressing the start button, the instrument functions automatically, allowing accurate, repeatable results to be recorded in much less time than traditional models.

As minimal training is required, new operators soon become confident with the H14, achieving consistent readings from the outset.

A range of optional sample tables is available, designed to locate samples of varying shapes and special holding fixtures (see page 8).

Keys on the front panel easily adjust the measuring head up and down to suit the sample height.

Once the start key is pressed, the foot descends to secure the sample, followed by the indenter, which lowers through the centre of the foot with a primary load of 0.3N to find its datum position. After 5 seconds, in line with the testing standards, the force is increased to 5.7N and applied for a further 30 seconds. At this point the instrument identifies the indenter position and the hardness value is automatically frozen and displayed clearly on the LCD screen. Two LEDs on the instrument's front panel monitor all stages of the test cycle.

Four instrument models are offered (see page 4):

- H14/1 Basic, stand alone
- H14/2 With printer
- H14/3 With printer and data input terminal
- H14/PC Hardness value sent to PC in Excel Format



Specification	H14 Macro IRHD Hardness tester
Weight	7.5 Kg
Dimensions	214(w) x 255 x (d) x 300mm (h)
Resolution	<0.1 units
Indenter shape	Sphere
Indenter diameter	2.50mm
Full range display	1.8mm
Force method	Weight
Foot Force	8.3N
Primary Indenter force	0.3N
Secondary force	5.4N
Force duration	5 + 30 seconds
Minimum sample thickness	8mm
Standards	BS ISO 48, DIN 53519, ISO 48, ASTM D 1415