

# H14 Macro IRHD Hardness Tester

The Wallace H14 Macro Hardness Tester allows accurate and repeatable measurements of larger samples.

## Features

- Traceability software available
- One touch fully automatic operation
- Accurate and consistent results
- Easy access to sample area
- Operator dependency reduced
- Range of sample tables
- Printer and data terminal as options

## Principle of Operation

The Wallace H14 is a digital benchtop 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 essentially frictionless and its position sensed by a linear variable differential transformer, 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.

## Accessories

A range of optional sample tables are available, designed to locate samples of varying shapes and special holding fixtures.

## Standards

ISO 48-2, ASTM D1414, ASTM D1415



## Specifications

H14 Macro IRHD Hardness Tester			
	WAH14 (Normal)	WAH14 (High)	WAH14 (Low)
Part Number	H14/1, H14/2, H14/3	H14/1, H14/2, H14/3	H14/1, H14/2, H14/3
Dimensions (mm)	300 (h) x 215 (w) x 255 (d)	300 (h) x 215 (w) x 255 (d)	300 (h) x 215 (w) x 255 (d)
Weight	8kg	8kg	8kg
Indenter Diameter	2.50mm ±0.01	1.00mm ±0.01	5.00mm ±0.01
Maximum Indentation Depth	1.80mm	0.44mm	3.18mm
Measurement Range	30 - 85 IRHD	85 - 100 IRHD	10 - 35 IRHD
Resolution	Selectable rounding to 0.1, 0.2, 0.5 or 1		
Indenter Shape	Ball		
Force Method	Weight		
Foot Force	8.3N ±1.5		
Contact Force	0.3N ±0.02		
Indenting Force	5.4N ±0.01		
Force Duration	5 + 30 seconds		
Sample Thickness (as per standard)	8 to 10mm		
Operating Temperature	5 to 40°C; Altitude 2000m maximum		
Humidity Range	10 to 80% RH non-condensing		
Output of Test Results to PC/Printer/Datalogger	RS232 via USB converter		