

## Hildebrand

1993



### Technical Data

Dial diameter	57mm
Total length	121mm
Net weight	184g
Range	0...100
Accuracy	±0,5
Resolution	1
Drag pointer	Optional
Available durometer types	DIN 53505, ISO 868, ISO 7619: A, D ASTM D 2240: A, B, C, D, DO, O

### Durometer HD3000

Durometer Model HD3000 is our standard model. The gauge features a full-sized non-reflective dial face for readability accuracy of 1/2 point.

The durometer conforms to DIN 53505, ISO 868, ISO 7619 and ASTM D 2240.

Model HD3000 offers maximum accuracy available in a dial model gauge at minimum cost.

Model HD3000 is designed for handheld applications or for use in combination with our Hildebrand Operating Stand Model OS-2.

#### Features:

- Conform to DIN, ISO and ASTM
- Drag pointer available
- Large dial surface
- Full 360° dial
- Superior 1/2 point accuracy
- Ergonomic handheld design



### Technical data

<b>Dimensions</b>	
Meas. unit	Ø 200mm x 470mm
Controller	290mm + 260mm x 75mm
<b>Net weight</b>	17,5kg
Max. sample thickness	90mm (without center device)
<b>Resolution</b>	0,1 IRHD
<b>Standards</b>	DIN ISO 48, ISO 48, ASTM D 1415, BS 903:Part 26A

The Hildebrand MICRO IRHD software checks and controls the operation of the system. The software is working under MS-Windows and offers unique features. The hardness value, graph, hysteresis, statistics, test report, label printing are only a few features of this software. An ASCII-output file is provided. All data are transmitted to the IRHD Controller, which is connected to the RS 232 interface of the computer.

### MICRO IRHD SYSTEM

The MICRO IRHD SYSTEM provides hardness readings on elastomers according to MICRO IRHD. Recommended specimen thickness is 1 to 5 mm. It complies to international standards such as ISO 48 and ASTM D 1415. The MICRO IRHD SYSTEM is a hardness testing machine controlled by a Hildebrand MSWindows software.

2 weights are automatically lowered and raised. Thus this system eliminates operator errors while testing. Specimen are positioned on the support table. The table automatically drives to the measuring head. The minor load is automatically lowered to the indenter. This position of the indenter represents 100 MICRO IRHD. The major load is lowered now. The penetration of the indenter is digitally measured after 30 seconds and converted into MICRO IRHD UNITS.

[www.hildebrand-gmbh.de/ger/index.htm](http://www.hildebrand-gmbh.de/ger/index.htm)



### Technical Data

Extension	115mm
Support table diameter	98mm
Max. sample thickness	180mm
Net weight	19,8kg
Durometer unit	Stable aluminium unit
For durometer types	A, B, C, D, DO, O

### Operating Stand OS-2

The Hildebrand Durometer Operating Stand Model OS-2 allows for accurate and repeatable Durometer readings. It rules out subjective test errors, which may be caused by differing load application forces or non-vertical application of the Durometer to the test piece.

#### Features:

The Durometer Operating Stand works on the constant load principle.

The sample is positioned on the support table. The Durometer is lowered shock-free by means of a manually operated lever. The hardness value can be read directly from the Durometer.

The stable Durometer-unit consists of Aluminium. Due to the low weight the Durometer-unit can be easily adjusted in height. Small and big samples can be tested in the Durometer Operating Stand.

A crash ring - mounted on the column - eliminates a crash between Durometer and support table, when lifting or lowering the Durometer-unit.

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