

DUROMETERS

Durometers are designed for measuring the hardness of rubber, plastics and other non-metallic materials. All the products are easy to use combined with high accuracy and durability. Hardness is the resistance against the indentation of a known geometrical indenter with determined force into a sample. The indentation depth is measured and displayed analogically or digitally.

Durometer:

The indenter is 2.5 mm away from the contact surface at zero durometer reading. Therefore you can only measure samples with a thickness of 6 mm or more (durometer A) or you can stack 3 samples with 2 mm thickness each to 6 mm total. If the samples are thinner than the recommended thickness you are measuring the hardness of the underlying surface (support table or workbench). This will give a false reading due to the "anvil effect".

MODEL HD3000

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

It offers maximum accuracy available in a dial model gauge at minimum cost. HD3000 is also designed for handheld applications or for use in combination with the Operating Stand Model OS-2.

Features:

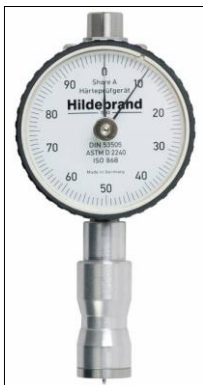
- Drag pointer available
- Large dial surface
- Full 360° dial
- Superior 1/2 point accuracy
- Ergonomic handhold design

Technical data

Dial dia.	57 mm
Total length	121 mm
Range	0...100
Accuracy	±0.5
Resolution	1
Drag pointer	Optional
Net weight	0,184 Kg

Standards

DIN	5305		
ISO	868	7619	
ASTM	D2240		



Delivered with:

- Custom made carrying case
- Proprietary Calibration Certificate issued by Hildebrand Prüfand Meßtechnik GmbH



DUROMETER OPERATING STAND Model OS-2

The 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.

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 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 Operating Stand.

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

Technical data

Extension	115 mm
Support table dia.	98 mm
Max. Sample thickness	180 mm
Durometer unit	Stable aluminium
Weight type d	Optional
Net weight	16,4 kg
Durometer types	A, AO, D, B, C, DO, O

Code	Model
40220100	HD3000 Shore A
40220101	HD3000 Shore B
40220102	HD3000 Shore C
40220103	HD3000 Shore D
40220104	HD3000 Shore O
40221101	Stand for Durometer mod. OS-2
40221102	4000 gr. Weight for Shore D Durometer

