

TQC SHORE HARDNESS TEST A AND D

LD0550, LD0551

MANUAL

1 PRODUCT DESCRIPTION

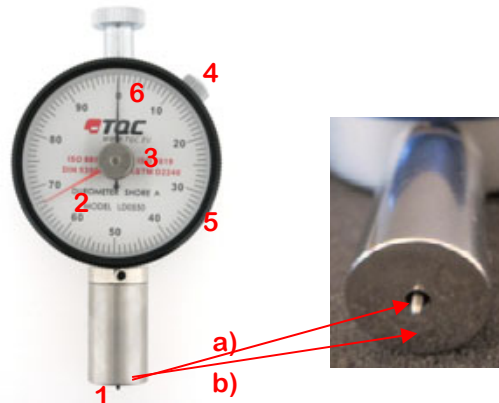
The TQC Shore Hardness Gauge is a reliable instrument for measuring the impression hardness of soft materials such as coatings, plastics and rubber. Equipped with a drag indicator, which holds the highest measured result. Available in 2 models; Shore A and D, delivery includes a simple test block.

**1.1 Specifications**

Range	: 0-100
Accuracy	: 0,006
Material	: Stainless steel, anodised aluminum
Width	: 25mm
Height	: 110mm
Length	: 60mm
Weight	: 230gr

1.2 Details

- 1) a) Indenter
b) Presser Foot
- 2) Drag pointer
- 3) Adjustment screw Drag pointer
- 4) Adjustment screw graduation scale
- 5) Revolving graduation scale
- 6) Pointer

**2 STANDARDS**

DIN 53505, ISO 868, ASTM D 2240

3 WHAT'S IN THE BOX?Shore meter
Test block**4 PERFORM A MEASUREMENT**

1. Turn the adjustment screw (4) anti-clockwise, until the zero-position is reached.
2. Make sure the Indenter (1a) is loose.
3. Release the graduation scale by loosening the adjustment screw (4). Turn the revolving graduation scale (5) until the pointer (6) is exactly at the Zero position.
4. Hold the Durometer in vertical position above the specimen.
5. Press the Durometer down without shock until the presser foot (1b) is in full contact with specimen (see photo). The drag pointer (2) gives the maximum reading of the hardness. (take readings after: 3s=DIN 53505, 1s=ISO 868 and ASTM D 2240).



CAUTION!

Never press the indenter (1a) on sensitive or hard materials (e.g. steel, glass, human hands, eyes). Not suitable for children.

5 CALIBRATIONS

We recommend annual calibration. For calibration, send the instrument, together with a RMA form* to TQC, Molenbaan 19, 2908 LL Capelle aan den IJssel, NL.

*You can download the RMA form here: <http://www.tqc.eu/en/service/repairs-calibrations/>

6 MAINTENANCE

- Though robust in design, this instrument is precision-machined. Never drop it or knock it over
- Always clean the instrument after use.
- Clean the instrument using a soft dry cloth. Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- Do not use compressed air to clean the instrument.
- Always keep the instrument in its case when not in use.
- We recommend annual calibration

7 DISCLAIMER

The right of technical modifications is reserved.

The information given in this manual is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this manual without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this manual or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this manual is liable to modification from time to time in the light of experience and our policy of continuous product development.