MANUAL DIGITAL HARDNESS CHECK - DRIVE

PORTABLE DIGITAL SHORE HARDNESS TESTER.
AVAILABLE SCALES: SHORE A, D, A0, 00.

STANDARDS: ASTM D2240; FIAT 504II; ISO 868; ISO 48-4; ISO 12046; ISO 7267-2; VDA 675-202;

NOTE: COMPLIANCE WITH SOME STANDARDS MAY REQUIRE OPTIONAL ACCESORIES OR SETUPS.

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO
LAT N° 182
Signatory of EA, IAF and ILAC Mutual Recognition Agreements
Membro degli accordi di Mutuo Riconoscimento EA, IAF e ILAC

gibitre® INSTRUMENTS

Digital Shore tester for the performance of hardness tests that can be used manually or in combination with support.
The instrument can be used as stand-alone device or can be connected to HardnessCheck software for automatic storage of test results.

Key features

- High resolution sensor and frictionless mechanical construction to ensure extreme accuracy and repeatability of the measures
- Wide 25x50 mm digital display
- Long-duration Lithium rechargeable battery
- Calculation of Initial hardness and hardness after set test time
- Storage of 20 measures in the memory of the device for further transmission to the software
- Control of the approaching force applied to the instrument in manual use
- Easy insertion of the instrument into the support housing hole (no fixings or adjustments are required)

Hardness Check Software

Allows you to automatically acquire data and curves during test execution, enter test identification, verify compliance with tolerance limits, save numerical results and curves in the SQL database to ensure the traceability of your tests.

Accessories

- Support with manual sample displacement
- Additional holder for the testing on round surfaces
- ACCREDIA calibration Certificate issued by Gibitre ISO-17025-Certified laboratory

Hardness sensors available: Shore (A, D, 00, A0)
Calculated Results: Initial hardness; Hardness values after customer defined test times; Ambient Temperatura; Temperature of the surface of the sample; Relative Humidity
Resolution of Hardness Measure: 0.01 Shore points
Digital Display Dimensions: 25x50 mm (128x64 Pixels)
Battery: Lithium battery for up to 8 hours continuous usage
Battery Charge: Usb cable and plug for 110/220 V 50/60Hz included
Support features: Adjustable distance between hardness sensor and sample (Max 160 mm)
Personal Computer (optional): Minimum Setup: Windows 10 or 11, Intel Core i5, 5GB RAM

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CERTIFIED SAMPLES

GIBITRE INSTRUMENTS PROVIDES CERTIFIED SAMPLES FOR SHORE AND IRHD HARDNESS VERIFICATION

Certified samples for the periodic verification of the conformity of the measurements made by your durometers.

Overview

Specimens are available for Shore A, Shore D,Shore M, IRHD-N and IRHD-Micro hardness scales.
Certified Specimens are a quick and effective tool for systematic verification of compliance of measurements in the period between two calibrations.

Characteristics of the product

The hardness of elastomeric products is strongly influenced by the temperature. For this reason, the samples produced by Gibitre have a shape that permits easy handling without transmitting the heat of the hand to the testing area.
The samples are provided with calibration Certificate with traceability to the certified hardness tester used for the measurements.
The samples are provided with an insulated protection case that permits the protection of the samples from temperature variations and from the light.

Available Configurations

- Complete box including 5 samples with different hardness within the selected hardness scale (approximately 40 - 50 - 60 - 80 - 90)
- Box containing one single sample with one of the available hardness

Avaliable Scales:: Shore: A, D, M; IRHD: M, N
Shape of the samples: The shape of the samples has been developed to permit easy handling without heat transmission to the test area
Protection Box: The wooden box ensures protection against light and temperature variations
Sample identification: The samples have unique identification code to permit the traceability of the calibration
Calibration Report: The calibration report is issued by Gibitre Instruments and includes the traceability to the officially-calibrated hardness tester used for the measures
Calibration uncertanty: ± 2 Hardness Points
Suggested re-calibration : 12 months

ACCREDIA CALIBRATION SERVICE

GIBITRE INSTRUMENTS IS OFFICIAL ACCREDIA CALIBRATION LABORATORY N° 182 ACCORDING TO ISO 17025 STANDARD AND PROVIDES CALIBRATION SERVICE FOR SHORE AND IRHD HARDNESS TESTERS.

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Gibitre Instruments' metrological laboratory is **official ACCREDIA calibration laboratory** for the calibration of:

• Shore A, Shore D, tester according to ISO 48-4 and ISO 868 standards

• IRHD Micro, IRHD-Normal, IRHD-Hard, and IRHD-Low hardness testers according to ISO 48-2 standard.

Calibrations are performed in the metrology room of Gibitre Instruments, with controlled environmental conditions.

Key Features

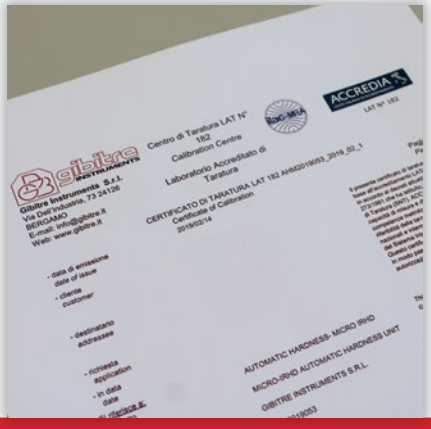
• Gibitre performs Accredia calibration of IRHD and Shore testers produced by all the major world producers

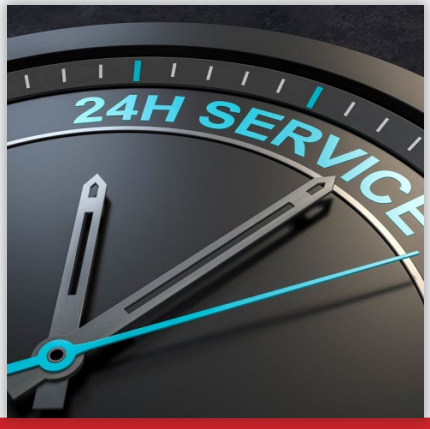
• Gibitre has a solid experience regarding the manipulation and calibration of hardness testers and performs **more than 300 calibrations per year**

• Recording of pre-calibration and post-calibration measures are provided together with the Calibration certificate

• Delivery date of the instrument can be agreed in order to have back-**shipment within 24 hours from delivery**

• Instruments that do not meet the Accredia calibration requirements are returned without charging calibration service.





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