

Measure by the dynamic measurement principle
Portable hardness tester

For all metallic materials

Stable handheld instrument in pocket size

Large measuring range



Hardy Test D400[©]

The hardness tester **HardyTest D400[®]** measures with the dynamic measurement principle the hardness of all metals with a high accuracy and a wide measurement range in all directions.

Hardness Tester

HardyTest D400[®]



The **HardyTest D400[®]** is built ultra small and is equipped with a convenient folding stand. With the cable probe D, one can also check unfavorably placed working pieces. It is perfect in difficult to measure areas and on the go!

The **HardyTest D400[®]** is applicable for almost all hardness measurements on ferrous and non-ferrous metals. It has proven itself in the power industry, petrochemical industry, in apparatus-, automotive- and mechanical-engineering, quality control, steelwork industry, and many more.

Specifications

Screen:	Graphic LCD 128 x 64 pixels with backlight
Backlight modes:	Off-On Automatic Large digits for measured value in selected unit (11 mm high) Always shows the measured value in Leeb units plus the measured value in the selected unit
Languages:	English, Spanish, German, Italian, French, Portuguese (more languages can be incorporated by order)
Impact device:	Type D
Precision:	± 0,5% (referred to HL = 800 ± 4 HL)
Datalogger + Statistics:	Storage of 2000 datapoints, date and hour record, histogram showing data groups
Statistic values:	Average, Minimum, Maximum, Range
Measurement range:	150 - 950 HL
Angular corrections:	Manual and Automatic
Capacity:	120 hours (with alkaline batteries without backlight)
Auto-Off:	Programmable from 4 to 30 minutes
Port:	USB
Dimensions (L x W x H):	122 x 65 x 22 mm
Weight:	160g with batteries
Power supply:	By two alkaline batteries AA

Characteristics and equipment

- Stable handheld instrument in pocket size
- High accuracy: ± 0.5 % (based on L = 800 ± 4 HL)
- For all metallic materials
- With impact device type D, measuring range max. 940 HV
- Enables measurements in small spaces
- For measurements in any position
- Large measuring range
- Memory for 1974 readings
- All hardness units: HL (Leeb), HB (Brinell), HRB (Rockwell B), HRC (Rockwell C), HV (Vickers), HS (Shore D)
- With convenient USB port
- Data collecting program - programmable via the keyboard
- Support rings (12 pieces) for convex and concave surfaces
- Embodiments in accordance with the ASTM standard

Application

- Measurements on steel, cast iron, tool steel, stainless steel, gray and ductile iron, brass, bronze, aluminum and wrought copper alloys
- Measurements on large and small molds, bearings heavy workpieces, and permanently assembled parts
- Failure analysis of pressure vessels, steam generators etc.
- Material identification

Areas of Application

- Production of metal and rubber components
- Mechanical engineering
- Research and development
- Solid state physics

Standard delivery range

- HardyTest D400[®] with impact device type D
- Hardness testblock (~ 800 HLD)
- Brush for cleaning the impact device
- Battery
- Coupling compound
- USB connection cable
- Software for PC
- Instruction Manual
- Transporting Case

Optional accessory

- Set of backup rings for measurements on convex surfaces with a radius of less than 30 mm. Makes optimal positioning on the test piece easier. The corresponding caps are screwed on the impact device front. Can be supplied for 12 different radii.



D-50226 Frechen Dr.-Gottfried-Cremer-Allee 30/7
Tel: +49 (0) 22 34 / 99 99 96 0
Fax: +49 (0) 22 34 / 99 99 96 2
info@salutron.de · www.salutron.de

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according to
ISO EN 9001