

# *Small format - high reliability* **Hardness tester**

- easy handling
- for all metallic materials
- large measuring range
- robust
- high precision



# **Hardy Test D100**<sup>©</sup>



# Hardness tester

## *Small format - high reliability*

### HardyTest D100

Uncompromising measured values – Blow for blow precision.

The hardness test instrument **HardyTest D100**® is a hand-held instrument with a integrated sensor and impact device type D for universal use on site.

The instrument is very small and manageable so that it can be optimally used for large and narrow pieces. The **HardyTest D100**® can be used for almost all hardness measurements on ferrous and nonferrous materials.

It has excellently proven itself in the power station industry and petrol chemistry, in the field of apparatus engineering, vehicle construction and mechanical engineering, in steel mills, etc.

The measuring principle of the **HardyTest D100**® is defined as the quotient of the rebound and impact speed of the impact body multiplied by 1000. During the material test the impact body is knocked by the elastic force with a spherical calotte from hard metal against the tested surface causing a rebound of the impact body. The instrument measures the impact and rebound speed so that the permanent magnet installed in the impact body passes through a coil during the test and induces electric currents that behave proportionally to the speeds. The measured values based on the impact and rebound speed are calculated by the instrument to form the hardness value.

#### Specifications

Display:	LCD, 10 mm high
Precision:	± 0,5 % (referred to HL = 800 ± 4 HL)
Measurement range:	from 200 to 960 HL
Display of measured hardness:	HL / HRC / HRB / HB / HV / HC
Materials:	9 different general materials
Memory:	99 measured values
Impact device:	type D
Power supply:	DC 9V
Dimensions (L x W x H):	100 x 60 x 33 mm
Weight:	150 g, weight with case and test body etc. = 4,3 kg

All **SaluTron**® gauges correspond to national (DIN) and international (ISO, BS, ASTM) norms and possess the CE-sign.  
Specifications are subject to change without prior notice.

#### Characteristics

- ✦ robust hand-held measuring instrument
- ✦ with integrated impact body
- ✦ small, handy, ideal for measurements on impassable components
- ✦ easy handling
- ✦ for all metallic materials
- ✦ large measuring range
- ✦ measurements in every position
- ✦ adjustable units: HL / HRC / HRB / HRA / HB / HV / HS
- ✦ design acc. to ASTM standards
- ✦ high precision
- ✦ automatic ON and OFF switching
- ✦ re-calibration is possible

#### Standard delivery range

- ✦ **HardyTest D100**®
- ✦ built-in impact device type D
- ✦ test block D
- ✦ battery charger
- ✦ battery
- ✦ robust plastic transport case
- ✦ cleaning brush

#### Optional accessory

- ✦ Set of adapters 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.



Certified according to ISO EN 9001

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