



Digital Leeb Hardness Tester TIME®5300

The TIME®5300 is a basic and economical portable Leeb hardness tester that offers high accuracy and simple operation over a wide measuring range. It is suitable for testing the hardness of all metallic materials and is widely used in the petroleum and chemical industries, mechanical engineering and the electric power industry. Measurement is possible in any direction (360°), even with the impact device pointing upwards. The TIME®5300 converts the readings into the common hardness scales (HL, HV, HB, HRC, HRB, HS) as well as into tensile strength. Seven optional impact device types are identified automatically; the standard impact device type D is included in the scope of delivery. The display shows all important values at a glance, and the integrated printer prints the readings directly.

Features

- Simple menu, easy and convenient to use
- Conversion of the common hardness scales (HL, HV, HB, HRC, HRB, HS) and of tensile strength
- Display with all important values: reading, mean value (MEAN), number of measurements (NO.), date, impact direction, material
- 7 optional impact device types with automatic identification (standard impact device type D included)
- Testing of many materials: steel, cast steel, forged steel, cold work tool steel, stainless steel, grey cast iron, nodular cast iron, cast aluminium alloys, brass, bronze, wrought copper alloys
- Measuring direction 360°, even with the impact device pointing upwards
- Charge indicator and easy battery replacement
- Integrated printer, readings can be printed directly
- Software calibration
- Auto power off

Scope of delivery

- Main unit
- Impact device type D
- Hardness test block (HLD)
- Small support ring
- Cleaning brush
- Charger
- Printer paper
- Operating manual

Technical Data

Parameter	TIME®5300
Measuring range	170–960 HLD (17.9–69.5 HRC), depending on impact device
Hardness scales	HL, HB, HRB, HRC, HV, HS
Measuring direction	360°
Accuracy	±6 HLD (at HLD = 760 ± 30), depending on impact device
Repeatability	6 HLD (at HLD = 760 ± 30)
Printer paper	Diameter 40 mm, width 44.5 ± 0.5 mm
Power supply	12 V / 600 mA
Charging time	2–3.5 hours
Humidity	≤ 90 %
Operating temperature	0 °C – 40 °C
Dimensions	235 × 90 × 47 mm
Weight	615 g
Optional accessories	Special impact devices, support rings

Technical changes reserved.