



Digital Leeb Hardness Tester TIME®5310

The TIME®5310 is a digital Leeb hardness tester for fast, virtually non-destructive hardness testing of metallic materials by the rebound method – on site or in the laboratory. Thanks to 360° measurement, any impact direction is possible. The TIME®5310 automatically converts the readings into the common hardness scales (HL, HV, HB, HRC, HRB, HRA, HS) as well as into tensile strength. Seven impact device types are identified automatically; the universal impact device type D is included in the scope of delivery. The colour display with improved readability and adjustable backlight guides the user through the measurement; the memory holds 1000 measurement groups. Data can be transferred to a PC via USB in Word and Excel format, and the powerful PC software is included. An integrated thermal printer, adjustable limit values with audible alarm and a built-in conversion table complete the instrument. This makes the TIME®5310 ideal for incoming inspection, manufacturing, heat treatment, assembly and quality control – also on large, heavy or already installed components, welds, shafts, castings and mould steel.

Features

- Menu-guided, easy operation
- Conversion into HL, HV, HB, HRC, HRB, HRA, HS and into tensile strength
- 7 impact device types with automatic identification (type D included)
- 2.8" TFT colour display, 240 × 320 pixels, 262K colours, adjustable backlight
- Memory for 1000 measurement groups, custom material management
- Adjustable upper and lower limits with audible alarm
- Data transfer to PC via USB (Word/Excel format)
- Powerful PC evaluation software included
- Built-in conversion table, HB directly readable with impact device D/DC
- Rechargeable Li battery without memory effect, with charge indicator
- Integrated thermal printer on the rear side

Scope of delivery

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

Technical Data

Parameter	TIME®5310
Measuring range	170–960 HLD
Hardness scales	HL, HV, HB, HRC, HRB, HRA, HS
Conversion	Tensile strength (Rm)
Impact devices	7 types with automatic identification (type D included)
Measuring direction	360°
Accuracy	±6 HLD (at 790 ± 40 HLD)
Repeatability	6 HLD (at 790 ± 40 HLD)
Display	2.8" TFT LCD, 240 × 320 pixels, 262K colours
Data storage	1000 measurement groups
Interface	USB 2.0 (Word/Excel export)
Power supply	Li battery 3.7 V; power adapter 12 V / 500 mA
Charging time / operating time	approx. 6 hours / approx. 20 hours
Optional accessories	Impact devices DC, D+15, C, G, DL; support rings; Dataview software

Technical changes reserved.