

Digital Leeb Hardness Tester TIME® 5350



The TIME®5350 is the top model of the TIME range of hand-held Leeb hardness testers. It determines the hardness of metallic materials by the rebound (Leeb) method directly on site – fast, virtually non-destructive and, thanks to 360° measurement, in any impact direction. TIME built China's first Leeb hardness tester back in 1989. The TIME®5350 automatically converts the readings into all common hardness scales (HL, HV, HB, HRC, HRB, 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 high-contrast 3.5-inch LCD with three-level backlight guides the user through the measurement with on-screen help, the internal memory holds 200 measurement groups and a microSD card up to 32 GB extends the storage capacity. Data can be transferred to a PC via USB or RS232 in Word and Excel format; the powerful evaluation software is included. Adjustable limit values with audible alarm, a built-in conversion table and a software calibration function complete the instrument. This makes the TIME®5350 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 operation with on-screen help
- Conversion into HL, HV, HB, HRC, HRB, HS and into tensile strength
- 7 impact device types with automatic identification (type D included)
- 3.5" LCD, 320 × 480 pixels, three-level backlight
- Internal memory for 200 measurement groups, microSD card up to 32 GB
- Adjustable upper and lower limits with audible alarm
- Data transfer to PC via USB or RS232 (Word/Excel format)
- Powerful PC evaluation software included
- Built-in conversion table, HB directly readable with impact device D/DC
- Software calibration function
- Detachable printer optionally available

Scope of delivery

- Main unit
- Impact device type D
- Hardness test block (HLD)
- Small support ring
- Charger
- Cleaning brush
- microSD card
- Communication cable
- Operating manual

Technical Data

Parameter	TIME®5350
Measuring range	170–960 HLD
Hardness scales	HL, HV, HB, HRC, HRB, HS
Conversion	Tensile strength (Rm)
Impact devices	7 types with automatic identification (type D included)
Measuring direction	360°
Accuracy	±6 HLD (at 760 HLD)
Repeatability	6 HLD (at 760 HLD)
Display	3.5" LCD, 320 × 480 pixels
Data storage	200 measurement groups; microSD card up to 32 GB
Interfaces	USB, RS232 (Word/Excel export)
Power supply	5 V / 500 mA
Charging time	approx. 5 hours
Operating temperature	0–40 °C
Humidity	≤ 90 % RH
Dimensions / weight	149 × 82 × 23 mm / 200 g

Technical changes reserved.