



Digital Leeb Hardness Tester TIME®5303

The TIME®5303 is a portable Leeb hardness tester specially designed for hardness measurement on mill rolls (roller hardness). It features two hardness testing systems: one for roller hardness testing and one for standard hardness testing. Measurement is possible in any direction (360°). The TIME®5303 converts the readings into the common hardness scales (HL, HV, HB, HRC, HRB, HRA, HS) as well as into tensile strength and stores 48 to 350 groups of data; the RS232 connector allows the data to be stored and analysed further. Seven optional impact device types are identified automatically; the standard impact device type D is included in the scope of delivery. The matrix display with backlight shows all important values, and the detachable printer prints the readings directly.

Features

- Two hardness testing systems: roller hardness and standard hardness testing
- Simple menu, easy and convenient to use
- Conversion of the common hardness scales (HL, HV, HB, HRC, HRB, HRA, HS) and of tensile strength
- 7 optional impact device types with automatic identification (standard impact device type D included)
- Matrix LCD display with backlight showing all important values and information
- Memory for 48 to 350 groups of data
- Upper and lower limits can be preset, with sound alarm
- RS232 connector for data storage and further analysis
- Software calibration
- Measuring direction 360°
- Charge indicator and easy battery replacement
- Detachable printer, readings can be printed directly
- Conforms to JB/T 9378-2001 and Q/HD SDF006-2003

Scope of delivery

- Main unit
- Detachable printer
- Impact device type D
- Hardness test block (HLD)
- Small support ring
- Cleaning brush
- Charger
- Table stand for the main unit
- Connection cable
- Printer paper
- Operating manual

Technical Data

Parameter	TIME®5303
Measuring range	30–110 HSD
Hardness scales	HL, HB, HRA, HRB, HRC, HV, HS, HSD
Measuring direction	360°
Accuracy	±6 HLD (at HLD = 760 ± 30)
Repeatability	6 HLD (at HLD = 760 ± 30)
Memory	48–350 groups of data
Interface	RS232
Power supply	12 V / 600 mA
Charging time	2 hours (with overcharge protection)
Humidity	≤ 90 %
Operating temperature	0 °C – 40 °C
Dimensions	270 × 86 × 47 mm
Weight	530 g (incl. main unit and printer)
Optional accessories	Special impact devices, support rings

Technical changes reserved.