



## Ultrasonic Hardness Tester TIME®5630

The TIME®5630 is a professional ultrasonic hardness tester based on the UCI method (Ultrasonic Contact Impedance) with a Vickers diamond indenter. It produces only a microscopic indentation while delivering precise, highly repeatable readings – even on thin-walled workpieces, hardened surface layers and delicate components. Automatic 360° measurement without directional compensation makes the device particularly suitable for complex geometries and hard-to-reach locations, for example on gears, turbine blades and rotors, shafts, pipes, flanges, welds, and mold and tool steel. As standard, it is calibrated for steel and cast steel; additional calibrations for alloy tool steel, special cast iron and non-ferrous metals are available. This makes the TIME®5630 ideal for manufacturing, heat treatment, aerospace, power generation, tool making and quality control. The 3.5-inch colour display shows measured values, statistics (max., min., average, standard deviation) and measurement history. The rechargeable lithium-ion battery provides more than 30 hours of continuous operation.

### Features

- 3.5" colour LCD display with statistics function
- Vickers diamond indenter, selectable test force 10 / 20 / 50 N
- Multiple hardness scales: HV, HB, HRC, HRB
- 360° measurement without directional compensation
- Built-in 8 GB data storage
- Programmable limit values with audible alarm

### Scope of delivery

- Main unit
- 50 N probe (manual)
- Standard test block
- V-shaped support
- Probe cable
- Charger

### Technical Data

| Parameter             | TIME®5630                                    |
|-----------------------|----------------------------------------------|
| Measuring range HV    | 80–1,400 HV                                  |
| Measuring range HB    | 76–618 HB                                    |
| Measuring range HRC   | 20.3–68 HRC                                  |
| Measuring range HRB   | 41–105 HRB                                   |
| Hardness scales       | HV, HB, HRC, HRB                             |
| Test force            | 10 / 20 / 50 N                               |
| Indenter              | Vickers diamond                              |
| Resolution            | 1 HV                                         |
| Measuring direction   | 360° (no compensation)                       |
| Display               | 3.5" colour LCD                              |
| Data storage          | built-in, 8 GB                               |
| Power supply          | Lithium-ion battery, > 30 h operating time   |
| Dimensions, main unit | 170 × 75 × 40 mm                             |
| Dimensions, probe     | Ø 23 × 170 mm                                |
| Weight                | Main unit approx. 232 g, probe approx. 252 g |

Technical changes reserved.