



alphaDUR mini

portable UCI hardness tester

Hardness testing

- fast and easy hardness testing
- measuring method according to DIN 50159 and ASTM A1038
- conversion according to EN ISO 18265 and ASTM E140
- robust metal casing
- large colour display
- built-in Li-ion battery
- extensive storage and statistical functions
- USB interface and PC software



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The alphaDUR mini is the small and handy variant of the alphaDUR which has been successfully used in hardness testing since many years. The technology is identical and the accessories are compatible.

The operation of the alphaDUR mini is very easy because all information is shown on the large display. Hardness scale and material can quickly be changed by special keys.

Measurements can be done fast and accurate. The measured value is displayed directly after the test load has been applied. A test load between 1 and 10 kg can be chosen depending on the application and the sample surface.



- 1 Hardness scale
- 2 Test load
- 3 Material
- 4 Mean value
- 5 Number of measurements
- 6 Standard deviation
- 7 History

Technical data:

Hardness scale: HRC, HV, HB, HRB and tensile strength

Test load: 10, 20, 30, 49 or 98 N, depending on the UCI probe

Display: colour LCD 320 x 240 pixels

Interface: USB, direct data transfer to USB flash drive

Data memory: 100,000 data records with date, time and GOOD / BAD rating

Statistics: average value, minimum, maximum, standard deviation

Battery: built-in Li-ion battery, battery life approx. 9 h, rechargeable by charging adapter or PC-USB

Dimensions: 135 x 80 x 23 mm

Weight: Device 320 g, Probe 190 g

The minimum sample thickness starts at approx. 5 mm, depending on the dimension and the shape of the sample.

Scope of delivery:

Basic device with built-in battery, USB cable, USB charging adapter, case, manufacturer certificate and manual

Optional accessories:

Probe support for flat and curved surfaces, high precision stand, probe handle, portable mini printer, special probe SL for measurements at location difficult to access, carrying bag, certified UCI hardness test blocks (Ø 90x16mm)



Application range:

Incoming goods inspection.

Hardness testing of metals in production.

Testing of machine parts, weld seams, coatings and hardened parts even at difficult to access locations and at any angle.



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