



alphaDUR mini II

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 LCD display
- built-in Lithium-Ion battery
- extensive storage and statistical functions
- USB-C interface for data transfer to PC and USB flash drive



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The alphaDUR mini II is the fourth generation of the alphaDUR series, which has been successful for many years.

The operation of the alphaDUR II mini is very easy because all information is shown on the large LCD 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 0.3 and 10 kg can be chosen depending on the application and the sample surface.



- 1 - Hardness value / scale
- 2 - Limits
- 3 - History
- 4 - Statistics
- 5 - Material
- 6 - Name / No. of serial measurement
- 7 - Measurement parameters
- 8 - Settings
- 9 - Save

Technical data:

Measuring range: 10 – approx. 3000 HV, according to EN ISO 18265 and ASTM E140
Hardness scales: Vickers (HV), Brinell (HB), Rockwell (HRC, HRB, HRA, HRD, HRE, HRF), Super Rockwell (HR45N), Knoop (HK), tensile strength (N/mm²)
Test load: 3, 10, 20, 30, 49 or 98 N, depending on the UCI probe
Uncertainty of measurement: < 2%
Display: 3.5" -TFT-LCD colour display, 640 x 480 pixel
Memory: 2 GB RAM, 8 GB eMMC-Flash-Memory (> 1.000.000 measurements)
Interfaces: USB-C (charging and data transfer), CAN bus for probe connection, Bluetooth 5.0 BLE
Data transfer: Direct protocol printout with mini thermal printer
Data transfer to USB flash drive and PC
Battery: Built-in Lithium-Ion battery, 6800 mAh, approx. 10 h operating time
Dimensions: 154 x 84 x 23 mm (H x W x D), 430 g

Standard scope of supply:

Basic device with built-in battery, USB cable, charging adapter, case, manufacturer certificate for UCI probes and USB flash drive with manuals

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 90x16 mm)



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

