



alphaDUR mini II

portable UCI hardness tester

- 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

Hardness Testing

MFE INSPECTION SOLUTIONS





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The alphaDUR mini II is the fourth generation of the alphaDUR series, which has been successful for many years. Operation is very easy because all information is shown on the large LCD display. The hardness scale and material can be quickly changed by special keys. Measurements can be done fast and accurately. The measured value is displayed directly after the test load has been applied. Depending on the application and the sample surface, a test load between 0.3 and 10 kg can be chosen.



- 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



SPECIFICATIONS

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 Dimensions: Built-in Lithium-Ion battery, 6800 mAh, approx. 10 h operating time 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 di-mension and the shape of the sample.

