



# alphaDUR II

portable hardness tester

Hardness testing

- fast and easy hardness testing
- clear user interface with function keys
- measuring method according to DIN 50159 and ASTM A1038
- robust metal casing
- individual material calibrations
- extensive storage and statistical functions
- applicable for automated measurements



# alphaDUR II

portable hardness tester

The alphaDUR II has proved it's worth as a reliable and versatile hardness tester since many years. It can be employed from simple manual measurements to fully automated production testing.

The operation of the alphaDUR II is very easy because all information is shown on the large display. Hardness scale and material can quickly be changed by context-sensitive function 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.

#### 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-Host, USB-Device, RS232  
Data memory: 500,000 data records with date, time and GOOD/BAD rating  
Statistics: average value, minimum, maximum, standard deviation  
Battery: built-in NiMH battery, battery life approx. 7 h,  
rechargeable by power supply/battery charger 100 - 240 V AC  
Dimensions: 198 x 160 x 78 mm  
Weight: Device 1400 g, Probe 190 g  
Minimum sample thickness approx. 4-6 mm

#### Scope of delivery:

Basic device with built-in battery, UCI probe with cable and calibration certificate, power supply/battery charger, case and manual

#### Optional accessories:

Probe support for flat and curved surfaces, high precision stand, Windows data management software alphaSOFT, carrier bag, probe handle, portable mini printer, special probe SL for measurements at location difficult to access, hardness test blocks (Ø 90x16mm) with MPA/DKD certificate, SPS-interface for automated testing

#### 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.  
Fully automated SPS driven hardness testing in production





# alphaDUR mini

UCI hardness tester

Hardness testing

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



# alphaDUR mini

UCI hardness tester

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.



#### 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

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. 12 h, rechargeable by charging adapter or PC-USB

Dimensions: 135 x 80 x 23 mm

Weight: Device 320 g, Probe 190 g.

Minimum sample thickness approx. 4–6 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.

#### 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. hardness test blocks (Ø 90x16mm) with MPA/DKD certificate