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

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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, 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:

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

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