

UCI HARDNESS TESTER alphaDUR II SPS

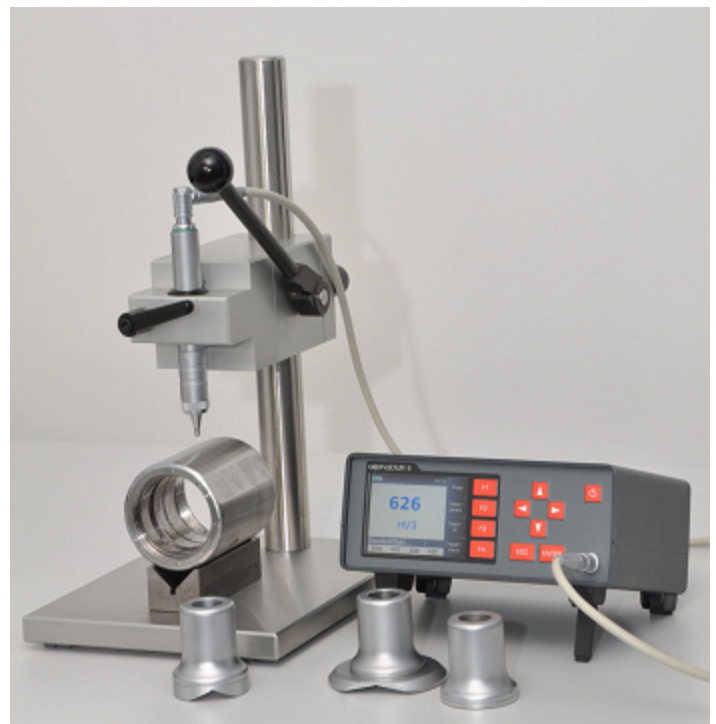
STANDARDS

ASTM A1038, DIN 50159

UCI Hardness Tester for testing of metals e.g. on machine parts, weld seams, coatings and hardened parts inclusive hard-to-reach places and in any direction. With the SPS-Option the alphaDUR II can be integrated in a fully automated hardness testing.

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.

FEATURES

- Fast and easy hardness testing
- Clear user interface with function keys
- Robust metal casing
- Individual material calibrations
- Extensive storage and statistical functions
- Applicable for automated measurements

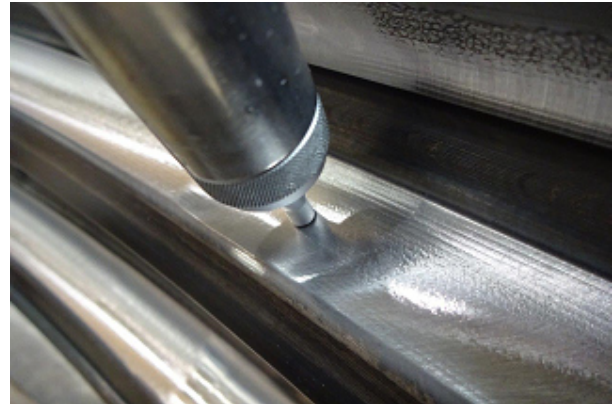


TECHNICAL PARAMETER

Item	Parameter
Test load	10, 20, 30, 49 or 98 N, depending on the UCI probe
Testing materials	Preferably metals, material calibrations can be saved in the device. Testings on glass, ceramic and plastic are possible if reference measurements for calibration are performed. Minimum thickness for steel: approx. 5 mm
Hardness Scale	HRC, HV, HB, HRB and tensile strength
Display	3,5" colour LCD 320 x 240 pixels
Data	32MB Flash memory for approx. 512,000 data records with changeable classification in groups.
Memory	Storage of date, time and GOOD/BAD rating
Statistics	Average value, minimum, maximum, standard deviation absolute and relative
Interface	USB-Slave for connection to the PC, 2x USB-Master, 100Base-TX (Ethernet), RS-232
Power supply / battery	100 - 240 V AC NiMH-Battery: 4,8 V / 2700 mAh
Operating hours	Battery life approx. 7 h, Loading time approx. 3 h
Temperature range	Operation: 0°C to 50°C, Storage: -20°C to 70°C
Dimensions	198 x 160 x 78 mm (H/W/D) / Probe: Ø 19,5 mm, Length 175 mm
Weight	Device 1400 g, Probe 190 g

DELIVERY SCOPE

- Basic device with built-in battery
- UCI probe (3N, 10N, 20N, 30N, 49N or 98N)
- SPS-Interface
- Connection cable Device <-> Probe
- Power supply/Battery charger
- Calibration certificate
- Manual
- Case



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

