



## Technical Data alphaDUR II

### Measuring method

1. Modified Vickers hardness on the basis of the UCI method with a Vickers diamond indenter 136° according to DIN 50159, ASTM A 1038-05 and VDI/VDE directive 2616. Measurement is executed under test load.
2. Impact hardness (Leeb hardness) according to DIN50156 and ASTM A 956-02

### Test load

1. 10, 20, 30, 49 or 98 N, depending on the UCI probe .
2. Impact device D

### Test materials

Preferably metals, material related calibration factors can be stored to the device. Test on ceramics, glass and plastics are also possible using comparison measurements for calibration purposes. Minimum probe thickness for steel is approx. 5 mm

### Display

3,5" Colour-LCD, 320x240 Pixel

### Data storage 32MB

Flash memory for approx. 512.000 readings divided into variable groups. Storage includes date, time and Pass/Fail evaluation.

### Statistic

Mean value, minimum, maximum and standard deviation(absolute and relative). Single readings can be deleted and redone.

### Interface

1 x USB-Slave for PC connection,  
2 x USB-Master for printers or USB flash drives,  
100Base-TX (Ethernet)  
RS-232,

### Power supply

Mains adaptor/battery charger: 100 - 240 V AC,  
NiMH battery: 4,8 V / 2700 mAh

### Operating time

Battery operation: approx. 7 hours  
Charging time: approx. 3 hours

**Languages** German, English

### Temperatures

Operating range: 0°C to 50°C,  
Storage: -20°C to 70°C

### Dimensions

Device: 78 / 198 / 160 mm (H/W/D)  
Probe: Ø 19,5 mm, Length 175 mm

### Weight

Complete device 1400 g,  
Probe only 190 g