



## Comparison of alphaDUR mini / alphaDUR mini II specifications



	<b><i>alphaDUR mini</i></b>	<b><i>alphaDUR mini II</i></b>
<b>Measuring Method</b>	UCI Hardness Testing conform to DIN 50159 and ASTM A 1038-05	
<b>Test load</b>	Depending on the UCI probe: 3, 10, 20, 30, 49 or 98 N (HV0.3 - HV10)	
<b>Testing Materials</b>	Preferably metals, material calibrations can be saved in the device. Measurements on glass, ceramic and plastic are possible if comparison measurements for calibration are done. Minimum thickness for steel app. 5mm (depending on the sample geometry).	
<b>Hardness scales</b>	Vickers (HV), Brinell (HB), Rockwell (HRC, HRB, HRA, HRD, HRE, HRF), Super Rockwell (HR45N), Knoop (HK), tensile strength (MPa) Conversion according to DIN EN ISO 18265 and ASTM E140	
<b>Uncertainty of measurement</b>	<2% to the value of the hardness test block	
<b>Display</b>	2.4" Color LCD 320x240 Pixel	3.5"-TFT-LCD Color display 640 x 480 Pixel
<b>Memory</b>	64 MB RAM 256 MB Flash-Memory (up to 100.000 measurements)	2 GB RAM 8 GB eMMC-Flash-Memory (> 1.000.000 measurements)
<b>Data transfer</b>	Direct protocol printout with mini thermal printer PC-Software Data transfer on USB flash device	Direct protocol printout with mini thermal printer PC-Software Data transfer on USB flash device (Data transfer to PC) (Data transfer via Bluetooth)
<b>Interfaces</b>	1x USB Type B (charging) 1x USB Type A (data transfer) 1x probe connector	1x USB Type C (charging and data transfer) 1x probe connector Bluetooth 5.0, BLE
<b>Battery</b>	Built-in Li-ion battery, 2300 mAh	Built-in Li-ion battery, 6800 mAh
<b>Operating time</b>	approx. 6.5 h	approx. 10 h (is still being precisely defined)
<b>Temperatures</b>	Operating range: 0°C bis 50°C, Storage: -20°C bis 60°C	
<b>Dimensions</b>	135 x 80 x 23 mm (H x W x D)	154 x 84 x 23 mm (H x W x D)
<b>Weight</b>	350 g	430 g
<b>Further features</b>	-	Status LED (Error logfile) (Key lock) (Graphic display of the measured values) (Verification Mode)



## Comparison of dynaROCK II / dynaROCK III specifications



	<b><i>dynaROCK II</i></b>	<b><i>dynaROCK III</i></b>
<b>Measuring method</b>	According to DIN EN ISO 16859 and ASTM A956	
<b>Test materials</b>	12 material groups	
<b>Specimen requirement</b>	Minimum weight of test specimen on stable support: 2 kg	
<b>Hardness scales</b>	HRC, HB, HV, HRB, HL, HS and tensile strength	
<b>Display</b>	2.4" Color LCD 320x240 Pixel	3.5"-TFT-LCD Color display 640 x 480 Pixel
<b>Memory</b>	64 MB RAM 256 MB Flash-Memory (up to 100.000 measurements)	2 GB RAM 8 GB eMMC-Flash-Memory (> 1.000.000 measurements)
<b>Data transfer</b>	Direct protocol printout with mini thermal printer PC-Software Data transfer on USB flash device	Direct protocol printout with mini thermal printer PC-Software Data transfer on USB flash device (Data transfer to PC) (Data transfer via Bluetooth)
<b>Interfaces</b>	1x USB Type B (charging) 1x USB Type A (data transfer) 1x probe connector	1x USB Type C (charging and data transfer) 1x probe connector Bluetooth 5.0, BLE
<b>Battery</b>	Built-in Li-ion battery, 2300 mAh	Built-in Li-ion battery, 6800 mAh
<b>Operating time</b>	approx. 10 h	approx. 12 h (is still being precisely defined)
<b>Temperatures</b>	Operating range: 0°C bis 50°C, Storage: -20°C bis 60°C	
<b>Dimensions</b>	135 x 80 x 23 mm (H x W x D)	154 x 84 x 23 mm (H x W x D)
<b>Weight</b>	350 g	430 g
<b>Further features</b>	-	Status LED (Error logfile) (Key lock) (Graphic display of the measured values) (Verification Mode)