



Comparison of alphaDUR mini / alphaDUR mini II specifications



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	<i>alphaDUR mini</i>	<i>alphaDUR mini II</i>
Measuring Method	UCI Hardness Testing conform to DIN 50159 and ASTM A 1038-05	
Test load	Depending on the UCI probe: 3, 10, 20, 30, 49 or 98 N (HV0.3 - HV10)	
Testing Materials	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).	
Hardness scales	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	
Uncertainty of measurement	<2% to the value of the hardness test block	
Display	2.4" Color LCD 320x240 Pixel	3.5"-TFT-LCD Color display 640 x 480 Pixel
Memory	64 MB RAM 256 MB Flash-Memory (up to 100.000 measurements)	2 GB RAM 8 GB eMMC-Flash-Memory (> 1.000.000 measurements)
Data transfer	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)
Interfaces	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
Battery	Built-in Li-ion battery, 2300 mAh	Built-in Li-ion battery, 6800 mAh
Operating time	approx. 6.5 h	approx. 10 h (is still being precisely defined)
Temperatures	Operating range: 0°C bis 50°C, Storage: -20°C bis 60°C	
Dimensions	135 x 80 x 23 mm (H x W x D)	154 x 84 x 23 mm (H x W x D)
Weight	350 g	430 g
Further features	-	Status LED (Error logfile) (Key lock) (Graphic display of the measured values) (Verification Mode)

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