

NOVA - HLD SERIES

CELESTIS

Celestis NOVA portable, Leeb rebound hardness testers

TECHNICAL SPECIFICATIONS



HLD-10



HLD-20



HLD-30



HLD-40



HLD-40B

Rebound 'D' probe type	internal	external	external	external
Hardness scales	HRB, HRC, HB, HS, HV, HLD			
Accuracy	±6HLD (±0,8%)			
Data output	USB, RS-232	USB, RS-232	USB, RS-232	USB/Bluetooth (HLD-40B)
Maximum surface roughness of specimen	1.6µ (Ra)			
Maximum hardness of specimen	940 HV			
Specimen's minimum radius of curvature	Rmin= 50mm (convex/concave)			
Minimal weight of specimen	2-5 kg attached, 0.05-2kg coupled			
Minimal thickness of specimen coupled	5 mm			
Minimal hardened crust thickness	0,8 mm			
Data memory	250 data group			
Power	3x AA batteries	2x1.5V AAA batteries	3x AA batteries	3x AA batteries
Operation temperature	0°C ... 40°C	-10°C ... 50°C	0°C ... 40°C	0°C ... 40°C
Overall dimensions	146x65x36 mm	115x55x25 mm	146x65x36 mm	130x76x31 mm
Weight	130 g	110 g	130 gr	270 gr
Leeb D (HLD)	200-900			
Rockwell (HRC)	20-68			
Rockwell (HRB)	39-100			
Brinell (HB)	80-647			
Vickers (HV)	80-940			
Accuracy	±0.8% (800HLD)			