

PORTABLE LEEB HARDNESS TESTER(HIGH ACCURACY) CODE HDT-L410

**INSPECTION
CERTIFICATE**

DATA
OUTPUT

HIGH
ACCURACY

DL PROBE IS
OPTIONAL



software CD
(included)

- Metal housing
- HD TFT 320×320 display
- Impact device D
- Accuracy: $\pm 4\text{HLD}$ (when $\text{HLD}=800$)
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRA and HRB), Shore (HS) and tensile strength (SGM)
- Four display modes
- Automatic direction correction
- Low and high limits with judgement
- Automatic power off, automatic calculation of statistics
- Dual value display, shows both Leeb and other conversion values
- 31 files can be saved, each containing 100 measurement data
- Connected to PC software via USB or Bluetooth 2.0
- Connected with printer via Bluetooth
- Operating temperature: $-20^{\circ}\text{C}\sim 70^{\circ}\text{C}$
- According to ASTM A956, DIN 50156, GB/T 17394



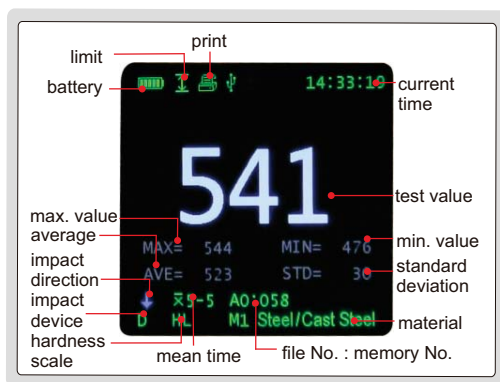
bluetooth printer
(optional)



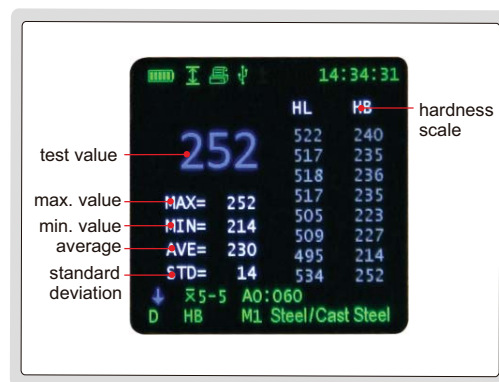
hardness test
block D (included)



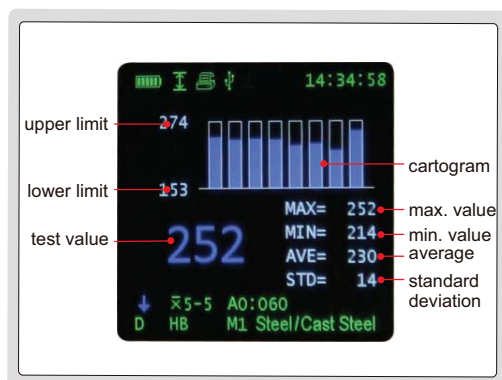
small support ring
(included)



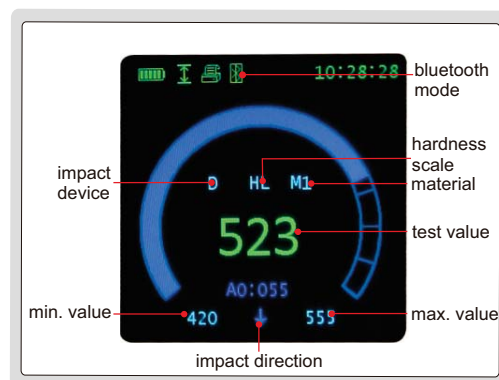
regular display



statistic display



histogram display



dynamic ring display

To be continued

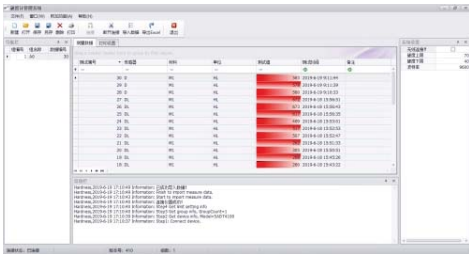
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DL probe can be installed (optional)

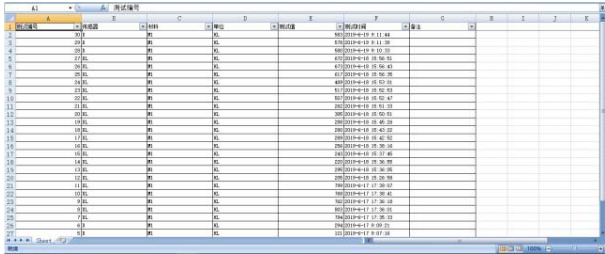


Software (included), upload the memory to PC, print and export to EXCEL

upload the memory to PC software via USB cable or Bluetooth



export the stored data to EXCEL



SPECIFICATION

Resolution	1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 0.1HRA, 0.1HS, 1SGM	
Accuracy	±4HLD(when HLD=800)	
Output	USB and bluetooth	
Applicable workpiece	minimum weight	5 kg (direct measurement)
		2kg (on solid support)
		0.05kg (coupled on plate)
	minimum thickness: 5mm	
	minimum radius of curved surface: 30mm	
	maximum roughness (Ra): 2μm	
Power supply	built-in 3.7V rechargeable battery	
Dimension	148×44×22mm	
Weight	115g	

STANDARD DELIVERY

Main unit	1 pc
Hardness test block D	1 pc
Small support ring	1 pc
Cleaning brush	1 pc
AC/DC adapter	1 pc
USB cable and software disc	1 pc

OPTIONAL ACCESSORY

Printer	HDT-L410-PRINTER
Support rings	see details
Hardness test block D	ISH-BHLD
DL probe	HDT-L410-DL

APPLICABLE MATERIAL AND HARDNESS RANGE FOR IMPACT DEVICE D

Material	HLD	HRC	HRB	HB	HV	HS	HRA	σb (SGM)
Steel/cast steel	170~960	0.1~74.7	1.2~140	28~1027	45~1230	4.0~112	7~88.5	118~3315
Alloy tool steel	170~960	0.9~78.7		15~1878	32~1698	5.5~128		79~6599
Stainless steel	170~960	3.7~62.4	8.3~101.7	85~655	36~802	6~131		108~1725
Lamellar iron	170~960	21~59	24~100	35~570	90~698	6~83		
Nodular iron	170~960	21~60	24~100	62~857	96~724	8~90		
Cast aluminum	170~960	1~48	24~85	19~445	22~193	3~64		129~2618
Copper zinc brass	170~960	1~53	1.5~99.6	32~477	29~495	5~65	32~76	258~4146
Bronze	170~960	1~56	14~100	15~505	11~535	2~68	29~76	190~1860
Wrought copper	170~960	1~54	14~100	35~569	38~590	6~73		1~54
Forged steel	170~960	1~72		50~1060	48~1110	7~103		200~3750
Mill roller	170~960	1~72		82~1380	83~1440	14~117.8		310~4860
Chinese steel	170~960	20~67.9	59.6~99.5	80~647	80~940	32.5~99.5	30~88	375~1710