

**PEN-TYPE LEEB HARDNESS TESTER (BASIC TYPE)  
CODE HDT-L411**

DATA  
OUTPUT

INSPECTION  
CERTIFICATE

VIDEO



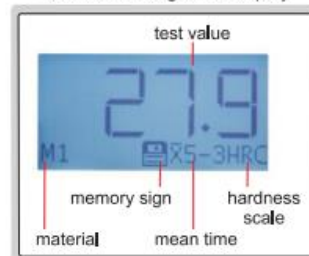
software flash disk (included)



hardness test block D (included)



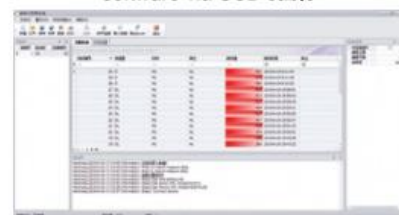
can choose large font display



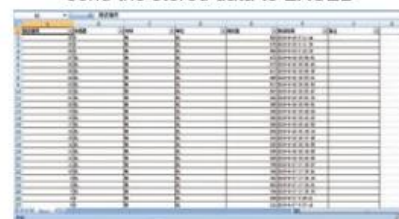
small support ring (included)

software (included), upload the memory to PC, print and send to EXCEL

upload the memory to PC software via USB cable



send the stored data to EXCEL



- Impact device D
- Universal testing angle, no need to set impact direction
- Dual-coil probe, high accuracy
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRA and HRB), Shore (HS) and tensile strength (SGM)
- Dual value display, shows both Leeb and converted hardness
- High contrast digital LCD display
- Can choose large font display
- Automatically calculate maximum, minimum, average value
- Connected to PC via USB
- Save 999 data
- Operation temperature: -20°C~45°C
- According to ASTM A956, DIN 50156, GB/T 17394

**SPECIFICATION**

Resolution	1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 0.1HRA, 0.1HS, 1SGM	
Accuracy	±6HLD (when HLD=800)	
Output	USB	
Measuring range	HL 170-960, 7-89HRA, 13-109HRB, 17-70HRC, 20-655HB, 32-99.5HS, 80-940HV, 255-2639N/mm <sup>2</sup>	
Applicable workpiece	minimum weight	5kg (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	1×AAA battery	
Dimension	148×45×21mm	
Weight	105g	

**STANDARD DELIVERY**

Main unit	1 pc
Hardness test block D	1 pc
Cleaning brush	1 pc
AAA battery	1 pc
Small support ring	1 pc
Software flash disk and USB cable	1 pc

+982165565901

+982144584619

+989034119385

**OPTIONAL ACCESSORY**

Support rings	page 47
Hardness test block D	HDT-B-HLD3

پتروفرهان گستر جنوب

**FGJ-NDT.IR**  
**DIGINDT.IR**