

BLUETOOTH

DATA
OUTPUT

PORTABLE LEEB HARDNESS TESTERS

**INSPECTION
CERTIFICATE**



HDT-CB320
(wired probe is included)



HDT-WL320
(wireless probe is included)

- Can use wired probes or wireless probes
- Dual-coil probe for high accuracy
- Universal testing angle, no need to set impact direction
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRA and HRB), Shore (HS) and tensile strength (σ_b)
- Dual value display, shows both Leeb and converted hardness
- Large 2.4" LCD display with backlight
- With a magnet on the back, the main unit can be attached on steel surfaces
- According to ASTM A956 and DIN 50156



hardness test
block D (included)



small support ring
(included)

connect to PC, upload the data to PC, print and send to Excel (software is included)



connect to
bluetooth printer (optional)



SPECIFICATION

Code	HDT-CB320	HDT-WL320		
Probe included	wired probe D	wireless probe D		
Optional probes	wired (DC/C/D/D+15/DL/E/G), wireless (DC/C/D/DL/G)			
Resolution	1HLD/1HV/1HB/0.1HRC/0.1HRB/0.1HRA/0.1HS/1MPa			
Accuracy	±6HLD (when HLD=800)			
Output	USB			
Measuring range	HL 170-960/HRC 1.3-74.7/HRB 1.2-139.7/HB 28-1027/HV 45-1221 HS 4.0-112.1/HRA 1.3-88.5/MPa 118-3315N/mm ²			
Applicable materials	1. steel/cast steel 5. nodular cast iron 9. copper	2. alloy steel 6. cast aluminum 10. forging steel	3. stainless steel 7. brass 11. rolling steel	4. gray pig iron 8. bronze
Statistics	average/max./min./s.value			
Memory	999 data			
Working environment	-10°C~45°C			
Power supply	2xAA battery			
Dimension	145×68×28mm			
Weight	158g			

STANDARD DELIVERY

Code	HDT-CB320	HDT-WL320
Main unit	1 pc	1 pc
Wired probe D	1 pc	—
Wireless probe D	—	1 pc
Hardness test block D	1 pc	1 pc
Small support ring	1 pc	1 pc
Cleaning brush	1 pc	1 pc

OPTIONAL ACCESSORY

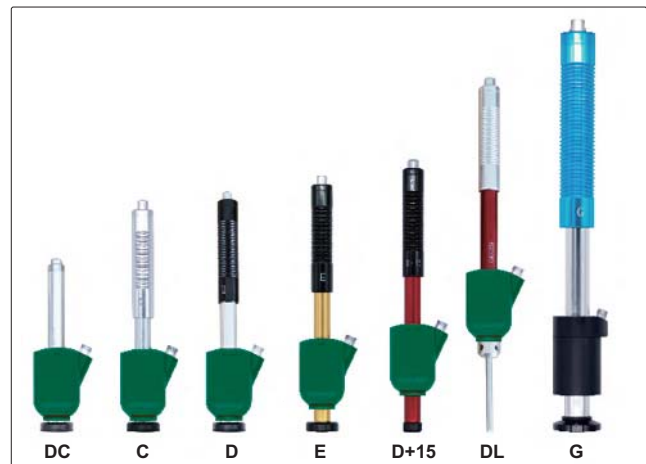
Wired probe	DC	HDT-CB320-DC
	C	HDT-CB320-C
	D	HDT-CB320-D
	D+15	HDT-CB320-D15
	DL	HDT-CB320-DL
	E	HDT-CB320-E
	G	HDT-CB320-G
Wireless probe	DC	HDT-WL320-DCW
	C	HDT-WL320-CW
	D	HDT-WL320-DW
	DL	HDT-WL320-DLW
	G	HDT-WL320-GW
Hardness test block D**		HDT-B-HLD3
Hardness test block G*		HDT-B-HLG2
Printer		ISH-LP200-PRINTER
Support rings		page 829

- * Hardness test block G (HDT-B-HLG2) is for probe G (HDT-CB320-G or HDT-WL320-GW)
 ** Hardness test block D (HDT-B-HLD3) is for all other probes

APPLICABLE WORKPIECE

Probes	DC	C	D	D+15	DL	E	G
Application	inner wall of small space	small or thin workpiece, coating layer	general use	deep groove	narrow slot or small hole	very hard material	casting or forging workpiece
Maximum roughness of workpiece (Ra)	2µm	0.4µm	2µm	2µm	2µm	2µm	7µm
Minimum weight of workpiece	direct measurement	5kg	1.5kg	5kg	5kg	5kg	15kg
	on solid support	2.5kg	0.5kg	2kg	2kg	2kg	5kg
	coupled on plate	0.05-2kg	0.02kg	0.05-2kg	0.1kg	0.1kg	0.1-2kg
Minimum thickness of workpiece	3mm	1mm	3mm	3mm	3mm	3mm	10mm

wired probes (optional)



wireless probes (optional)

