

## PORTABLE LEEB HARDNESS TESTERS

DATA  
OUTPUT

BLUETOOTH

INSPECTION  
CERTIFICATE



VIDEO



**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 ( $\sigma_b$ )
- 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

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



connect to bluetooth printer (optional)



small support ring  
(included)



hardness test  
block D (included)



## SPECIFICATION

<b>Part No.</b>	HDT-CB320		HDT-WL320			
<b>Probe included</b>	wired probe D		wireless probe D			
<b>Optional probes</b>	wired (DC/C/D/D+15/DL/E/G), wireless (DC/C/D/DL/G)					
<b>Resolution</b>	1HLD/1HV/1HB/0.1HRC/0.1HRB/0.1HRA/0.1HS/1MPa					
<b>Accuracy</b>	±6HLD (when HLD=800)					
<b>Output</b>	USB					
<b>Measuring range</b>	HL 170-960, 7-89HRA, 13-109HRB, 17-70HRC, 20-655HB, 32-99.5HS, 80-940HV, 255-2639N/mm <sup>2</sup>					
<b>Applicable materials</b>	1. steel/cast steel 7. brass	2. alloy steel 8. bronze	3. stainless steel 9. copper	4. grey cast iron 10. forging steel	5. nodular cast iron	6. cast aluminum
<b>Statistics</b>	average /max. /min. /s.value					
<b>Memory</b>	999 data					
<b>Working environment</b>	14°F~113°F					
<b>Power supply</b>	2xAA battery					
<b>Dimension</b>	5.71×2.68×1.10"					
<b>Weight</b>	.35lb					

## STANDARD DELIVERY

<b>Part No.</b>	HDT-CB320	HDT-WL320
<b>Main unit</b>	1 pc	1 pc
<b>Wired probe D</b>	1 pc	—
<b>Wireless probe D</b>	—	1 pc
<b>Hardness test block D</b>	1 pc	1 pc
<b>Small support ring</b>	1 pc	1 pc
<b>Cleaning brush</b>	1 pc	1 pc

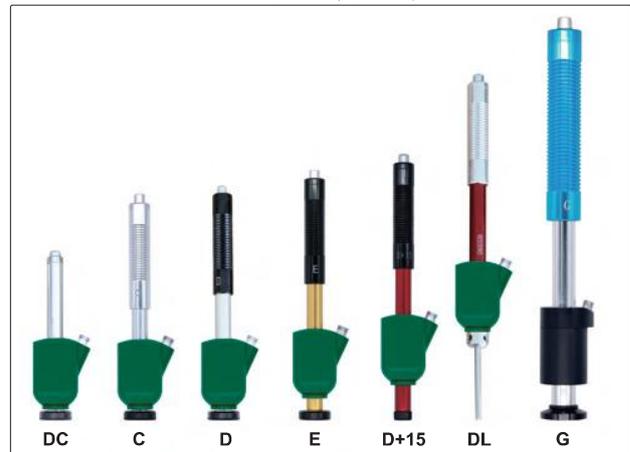
## OPTIONAL ACCESSORY

<b>Wired probe</b>	<b>DC</b>	HDT-CB320-DC
	<b>C</b>	HDT-CB320-C
	<b>D</b>	HDT-CB320-D
	<b>D+15</b>	HDT-CB320-D15
	<b>DL</b>	HDT-CB320-DL
	<b>E</b>	HDT-CB320-E
	<b>G</b>	HDT-CB320-G
<b>Wireless probe</b>	<b>DC</b>	HDT-WL320-DCW
	<b>C</b>	HDT-WL320-CW
	<b>D</b>	HDT-WL320-DW
	<b>DL</b>	HDT-WL320-DLW
	<b>G</b>	HDT-WL320-GW
<b>Hardness test block D **</b>		HDT-B-HLD3
<b>Hardness test block G *</b>		HDT-B-HLG2
<b>Printer</b>		ISH-LP200-PRINTER
<b>Support rings</b>		ISH-PH-SP9

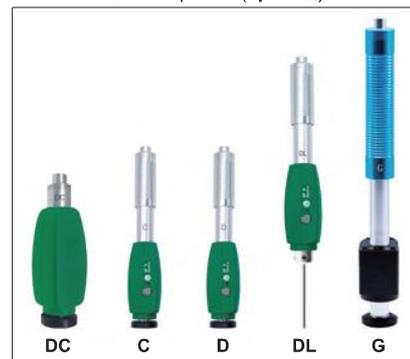
\* Hardness test block G (HDT-B-HLG2) is for probe G (HDT-CB320-G or HDT-WL320-GW)

\*\* Hardness test block D (HDT-B-HLD3) is for all other probes

wired probes (optional)



wireless probes (optional)



## APPLICABLE WORKPIECE

<b>Probes</b>		<b>DC</b>	<b>C</b>	<b>D</b>	<b>D+15</b>	<b>DL</b>	<b>E</b>	<b>G</b>
<b>Application</b>		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
<b>Maximum roughness of workpiece (Ra)</b>		80µin	16µin	80µin	80µin	80µin	80µin	280µin
<b>Minimum weight of workpiece</b>	<b>direct measurement</b>	11.02lb	3.31lb	11.02lb	11.02lb	11.02lb	11.02lb	33.08lb
	<b>on solid support</b>	5.51lb	1.10lb	4.41lb	4.41lb	4.41lb	5.51lb	11.02lb
	<b>coupled on plate</b>	.11-4.41lb	.04lb	.11-4.41lb	.22lb	.22lb	.22-4.41lb	1.10lb
<b>Minimum thickness of workpiece</b>		.12"	.04"	.12"	.12"	.12"	.12"	.39"