



# PORTABLE LEEB HARDNESS TESTER CODE ISH-PHB



hardness test block D (included)



small support ring (included)



wireless printer (optional)



- Supplied with impact device D
- Set measurement times (1~9) to have average value
- Based on Leeb(HLD), converted to Vickers(HV), Brinell(HB), Rockwell(HRC and HRB), Shore(HS) and tensile strength(MPa)
- Memory of 99 measurement values for browsing
- Connected with printer via bluetooth
- Automatic power off
- According to ASTM A 956

## SPECIFICATION

<b>Min. reading</b>	1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 1HS, 1MPa	
<b>Accuracy</b>	±6HLD (when HLD=800)	
<b>Display</b>	Leeb(HLD), converted hardness, material, impact direction, test times, average value, date	
<b>Output</b>	bluetooth	
<b>Applicable workpiece</b>	minimum weight	5kg
		2kg (on solid support)
		0.1kg (coupled on plate)
	minimum thickness: 5mm	
minimum radius of curved surface: 11mm		
maximum roughness(Ra): 1.6µm		
<b>Power supply</b>	3×AAA batteries	
<b>Dimension</b>	150×84×28mm	
<b>Weight</b>	200g	

## STANDARD DELIVERY

<b>Main unit</b>	1pc
<b>Impact device D</b>	1pc
<b>Hardness test block D</b>	1pc
<b>Small support ring</b>	1pc
<b>Cleaning brush</b>	1pc

## OPTIONAL ACCESSORY

<b>Wireless printer</b>	ISH-DS-PRINTER
<b>Couplant</b>	ISH-COUPPLANT
<b>Support rings</b>	page 362
<b>Hardness test block D</b>	ISH-BHLD

## APPLICABLE MATERIAL AND HARDNESS RANGE FOR IMPACT DEVICE D

Material	HLD	HV	HB	HRC	HRB	HS	Tensile strength(MPa)
Steel & cast steel	300-900	81-955	81-654	20-68	38-100	32-100	375-2639
Tool steel	300-840	80-898		20-67			
Stainless steel	300-800	85-802	85-655		46-101		
Cast iron	360-650		93-334				
Cast aluminum alloy	170-570		19-164		23-84		
Brass	200-550		40-173		13-95		
Bronze	300-700		60-290				
Copper	200-690		45-315				