

INSPEX® Portable Hardness Tester - IPX-330 *plus*

NEW High quality, multi-functional portable hardness tester from the trusted INSPEX range

Features:

- Multi-language and multi-national hardness standards
- Large, colour TFT display; 320x240
- Measurement range 174-960HL
- High accuracy and repeatability; +/-0.5% at 800HL
- Conforms to ASTM A 956
- Impact device D included as standard, optional impact devices DC, DL, D+15, C and G available
- Automatic impact device recognition
- Based on HL value, conversion to HRB, HRC, HV, HB, HS and tensile strength available
- 360° full angle measurement
- Up to 10,000 readings onboard memory storage, data transfer and Bluetooth printer options available
- Auto shutdown for power conservation



IPX-330 *plus*

Standard Delivery:

- Main Unit
- Impact device D
- Test block with HLD value
- Cable
- Cleaning brush
- Small supporting ring
- Operating manual
- Carry case
- Calibration Certificate

Technical Specification:

Measurement Range	174HL – 960HL (See table, "for impact device D" below)	
Hardness Parameter	HL, HRB, HRC, HV, HB, HS and Tensile Strength	
Tensile Strength UTS range (steel only)	370-2000 (\approx 106N/mm)	
Optional Impact Device	D, DC, DL, D+15, C and G	
Materials	Steel & Cast Steel, Alloy Tool Steel, Stainless Steel, Grey Cast Iron, Spheroidal/Ductile Iron, Cast Aluminium, Brass, Bronze and Copper	
Accuracy and Repeatability	+/- 0.5% when HL=800	
Memory	10,000 readings	
Data Output	USB	
Requirements	Thickness	> 3mm (> 10m for Impact Device G)
	Weight	2-5kg coupled support
	Roughness	\leq Ra 10
	Test Point	Radius (convex/concave) $R_{min} \geq 30mm$ (Requires Support Ring < 30mm) 5mm or more from edge of sample
Display	Colour TFT display 320x240	
Power Supply	2 x AA Batteries	
Operating Temperature	-20°C to +50°C	
Dimensions	133 (L) x 75 (W) x 29 (H) mm	
Weight	0.26kg (including batteries)	

Table, for impact device D:

Material	HL	HRC	HRB	HB	HS	HV
Steel & cast steel	300-900	20.0-68.0	38.4-99.5	80-647	32.5-99.5	80-940
Alloy Tool Steel	300-840	20.4-67.1				80-898
Stainless Steel	300-800	19.6-62.4	46.5-101.7	85-655		85-802
Grey Cast Iron	350-650			93-334 (300)		
Spheroidal/Ductile Iron	400-660			131-387 (300)		
Cast Aluminium	174-560			20-159 (100)		
Brass	200-550		13.5-95.3	40-173 (100)		
Bronze	300-700			60-290 (100)		
Copper	200-690			45-315 (100)		

Option Accessories:

- Bluetooth printer, Impact devices; DC, DL, D+15, C and G, Support rings

