

## Portable Hardness Tester TIME5120 (TH1100)



### Specifications:

Measuring accuracy	± 6 HLD of reading at LD=800
Min. sample weight if stands alone	11 lb (5 kg)
Min. sample weight if it's coupled	0.22 lb (100 g)
Min. sample thickness (coupled)	0.2 in (5 mm)
Min. radius of curved surface	2 in/50 mm (w support ring 0.4 in/10 mm)
Min. thickness of hardened surface	0.8 mm
Max. surface roughness	Ra 1.6 μm
Max. sample hardness	900 HLD
Hardness measurement value	HRC, HRB, HV, HB, HS & HLD
Impact direction	Any direction
Tungsten carbide test tip	
Operating voltage	Li battery 3.7 V (charging time 2-3 hr)
Continuous working time	8 hours
Operating temperature	0 °C-40 °C
Weight	130 g
Dimensions	145×35×30 mm

**Measuring range:**

Hardness Material	HLD	HB	HRC	HRB	HV	HS
<b>Steel &amp; cast steel</b>	300-900	81-654	20.0-68.4	38.4-99.8	81-955	32.5-99.5
<b>C.W. tool steel</b>	300-840		20.4-67.1		80-898	
<b>Stainless steel</b>	300-800	85-655		46.5-101.7	85-802	
<b>Grey cast steel</b>	360-660	93-334				
<b>Nodular cast iron</b>	360-660	131-387				
<b>Cast aluminum</b>	174-560	19-164		23.8-84.6		
<b>Copper zinc alloy (brass)</b>	200-550	40-173		13.5-95.3		
<b>Copper tin alloy (bronze)</b>	300-700	60-290				
<b>Copper</b>	200-690	45-315				

**Standard accessories**

- Main unit with impact device D
- Velvet carrying pouch
- Standard test block
- Large support ring
- Small support ring
- Cleaning brush
- Charger
- Instruction manual
- NIST calibration certificate
- Carrying case

**Optional accessories**

- Special support rings
- NIST certificate for test block (delivery will be delayed by a week)



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