

## Metal Hardness Tester TIME5100 (TH170)



- *Palm size*
- *Easy to operate*
- *AAA batteries*
- *Most popular model*

### Specifications:

Measuring accuracy	±6 HLD of reading at LD=800
Repeatability	±10 HLD
Min. sample weight	11 lb (5 kg)
(if 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 and HLD
Upper / lower limit	
Automatic calculation	Average test value
Automatic delete abnormal testing value	
Onboard memory	Total 270 data in 9 groups
Impact direction	Any direction
Tungsten carbide test tip	
Operating voltage	2×1.5 V AAA battery
Operating temperature	0 °C-40 °C
Weight	166 g
Dimensions	155×55×25 mm
Auto shut-off	
Backlight	

**Measuring range:**

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

**Standard accessories**

Main unit with impact device D  
Communication cable  
Driver CD (download thru hyper terminal)  
Standard test block  
Large support ring  
Small support ring  
Cleaning brush  
2×1.5 V AAA batteries  
Instruction manual  
NIST calibration certificate  
Carrying case

**Optional accessories**

Special support rings  
Software (download data to software)  
NIST certificate for test block (delivery will be delayed by a week)



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