

# Hardness Tester TH170



- USB communication interface
- Automatic identification of Impact test direction
- Memory of 270 average data in 9 group files
- Upper and lower limit setting
- Automatically switch off
- Backlight for convenient use in darkness
- Software calibration
- Battery capacity display
- AAA 1.5V battery
- Computer software available

## Measuring range

Material	HLD	HRB	HRC	HB	HV	HS
Steel & cast steel	300~900	38.4~99.8	20.4~68.4	81~654	81~955	32.5~99.5
Cold work tool steel	300~840		20.4~67.1	85~655	80~898	
Stainless steel	300~800	46.5~101.7	19.6~62.4		85~802	
Grey cast. Iron	360~650			93~334		
Nodulor cast. Iron	400~660			131~387		
Cast AL. Alloys	170~570	23.8~84.6		19~164		
Brass	200~550	13.5~95.3		40~173		
Bronze	300~700			60~290		
Copper	200~690			45~315		

## Technical specifications

Standard Impact Device	D integrated
Hardness scales	HLD, HB, HRC, HRB, HV, HS
Measuring range / materials	See table above
Measuring direction	360°
Accuracy	±6HLD(760 ±30HLD) ±10HLD(530 ±40HLD)
Memory	270 average readings in 9 group files
Output	USB2.0
Min. Surface Roughness of Work piece	1.6μ ( Ra)
Max. Work piece Hardness	955HV
Min. radius of Work piece (convex/concave)	Rmin = 50mm (with support ring Rmin=10mm)
Min. work piece weight	2~5kg on stable support 0.05~2kg with compact coupling
Min. Work piece thickness coupled	5mm
Min. Thickness of hardened layers	0.8mm
Indentation depth	Impact Device data (see page 8)
Continuous working time	150 h (without backlight)
Power	AAA 1.5V batteries (2pcs)
Operating temperature	0~40℃
Overall dimensions	155mm×55mm×25mm
Weight	About 166 g

## Standard delivery

- Main unit integrated with Impact Device D 1
- Test block with HLD value 1
- Cleaning brush 1
- Battery AAA 1.5V 2
- TIME certificate 1
- Instruction manual 1
- Warranty card 1
- Carrying case 1

## Optional accessories

- Support rings
- Computer software