

THL210 Portable Hardness Tester



Product Details

- LCD display of 128×64 matrix with back-light, showing all functions and parameters.
- Converts to all common hardness scales (HV, HB, HRC, HRB, HRA, HS).
- English displaying and easy and convenient menu operation.
- Powerful PC software available and USB 1.0 interface and USB with protective membrane.
- 7 types of impact device optional, which don't need to be recalibrated when changing them.
- Memory of 600 groups data (impact times: 32 ~ 1) .
- Lower limit setting and sound alarm.
- Material of “cast steel” is added; HB values can be read out directly when D/DC impact device is used to measure “cast steel” work piece.
- Printer be separated from main unit and copies of testing results can be printed as required.
- Normal battery AAA and big power store while USB connected and charging controlling circuit.
- In built function of software calibration.
- Standard according including: national standard: GB/T 17394.1-2014; GB/T1172-1999
- EU standard: EN ISO 16859-2016
- ASTM standard: ASTM A956(2012)



Specification

Hardness scale	HL, HB, HRB, HRC, HRA, HV, HS
Memory	48 ~ 600 groups (impact times: 32 ~ 1)
Measuring range	HLD (170 ~ 960)
Accuracy	$\pm 6\text{HLD}$ ($760 \pm 30\text{HLD}$) error of displayed value
Standard impact device	D
Optional impact devices	DC / D+15 / G / C / DL
Min. radius of workpiece	Rmin = 50mm (with special support ring Rmin= 10mm)
Min. workpiece weight	2 - 5kg on stable support 0.05 - 2kg with compact coupling
Min. workpiece thickness	5mm (Impact Devices D/DC/DL/D+15) 1mm (Impact Device C) 10mm (Impact Device G)
Min. thickness of hardened surface	0.8mm
Power	Normal AA Battery
Continuous Working time	approx. 100 h (no back light off)
Operating temperature	0~40°C
Relative humidity	$\leq 90\%$
Overall dimensions	125*67*31mm (main unit)
Weight	0.3kg (main unit)

Standard Delivery

- 1x THL210 Main Unit
- 1x Impact Device Type D
- 1x Leeb Standard Test Block
- 1x Cleaning Brush
- 1x Supporting Ring
- 1x Communication Cable
- 1x Manual
- 1x Carrying Case
- 1x THL210 DataPro Software (USB)

Optional Accessories

- Mini Printer