

# High precision hardness tester THL600

## Features

Color display of 3inch screen showing all functions and parameters.

Converts to all common hardness scales (HV,HB, HRC,HR-B,HRA,HS).

English displaying and easy and convenient menu operation.

Powerful PC Software available and USB 2.0 interface & with the USB Protective Membrane.

7 types of Impact Device optional, which don't need to be recalibrated when changing them.

Memory of 1200 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.

AA battery can easy change and transport.

Inbuilt function of Software Calibration.

With user-defined material curve function, for special materials such as forged steel, rolled steel, alloy steel or special processing metal materials, users can customize the measurement curve according to the actual measurement.

THL600 with The values plotted into the curve, Uniformity will be very obvious.

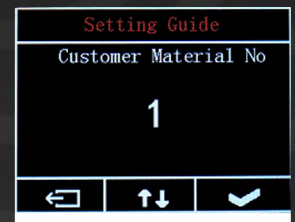
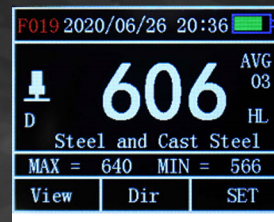
Standard according including : national standard: GB/T 17394.1-2014; GB/T1172-1999

EU standard: DIN 50156-2007

ASTM standard:ASTM A956(2012)



# THL-600



Hardness scale	HL, HB, HRB, HRC, HRA, HV, HS
Memory	48~600 groups (impact times: 32~1)
Measuring range	HLD (170~960) See below table 1 and table 2
Accuracy	±4HLD (760±30HLD) error of displayed value 4HLD (760±30HLD) repeatability of displayed value
Standard Impact Device	D
Optional Impact Devices	DC/D+15/G/C/DL/E
Max. Workpiece Hardness	996HV(For Impact Devices D/DC/DL/D+15/C) 646HB(For Impact Device G)
Min. Radius of Workpiece	Rmin = 50mm (with special support ring Rmin= 10mm)
Min. Workpiece weight	2~5kg on stable support
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	AA battery
Continuous Working time	approx. 100 h (no back light off)
Operating temperature	0~40℃
Relative humidity	≤90%
Overall dimensions	120*60*31mm (main unit)