



# FINE MANUFACTURING INDUSTRIES

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## Portable Leeb Hardness Tester – THL-280 PLUS



### Features :

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 2.0 interface.

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.

In-built Smart Li Ion rechargeable battery while USB connected and charging controlling circuit.

AA battery can easy change and transport.

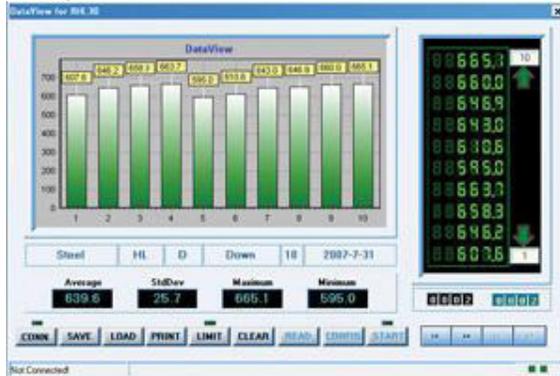
Inbuilt function of Software Calibration.

### Specifications

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
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 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	AA battery
Continuous Working time	approx. 100 h (no back light off)
Charging time	2-3.5 h
Operating temperature	0~40℃
Relative humidity	≤90%
Overall dimensions	125*67*31mm (main unit)
Weight	0.3kg (main unit)

**DataPro for Hardness tester THL280 PLUS**



**Standard Accessories :**

1 Main Unit	1	Standard configuration
2 Impact Device Type D	1	Standard configuration
3 Test Block Type D	1	Standard configuration
4 Cleaning Brush	1	Standard configuration
5 Supporting Ring	1	standard configuration
6 Communication Cable	1	Standard configuration
7 Manual	1	standard configurations
8 Carrying Case	1	Standard configuration
9 DataPro Software(USB)	1	Standard configuration
10 Battery Case Tool	1	Standard configuration
11 Mini-printer	1	Optional configuration