

Hardness Tester THL270



Features

OLED display of 128×32 matrix

Converts to all common hardness scales (HL,HV,HB,HRC,HRB,HRA,HS).

Easy to use Menu driven system

With micro USB interface, multiple communication modes are adopted to meet customized requirements of various users

Memory of 600 groups data

Upper and lower limit of hardness can be preset; with alarm

Test value software calibration function

Working voltage: 3.7V rechargeable Li-Ion battery

Continuous working period: approx.. 60 hour

The machine also include interface to connect with impact device C, DC, G, D+15, DL,E probe.

Smart and skid proof design

Charging indicator

THL270: integrated with D impact device for normal hardness testing

Note: The product uses the international popular streamlined plastic shell, ergonomic design. Surface anti-skid treatment, feel fine, soft, light weight and durable. And has excellent resistance to electromagnetic, anti-vibration and other interference.

Specifications

| | |
|---|---|
| Technical Specification | |
| Model | THL270 |
| Impact device | D integrated |
| Hardness scales | HLD, HB, HRC, HRB, HV, HS |
| Accuracy | $\pm 4\text{HLD}(760 \pm 30\text{HLD})$ |
| Memory | 600 units |
| Output | USB |
| Average Surface Roughness of Work piece | 1.6 μ (Ra) |
| Max. Work piece Hardness | 900HLD |
| 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 Devices data |
| Continuous working time | 60(without backlight) |
| Power | Li battery |
| Operating temperature | 0~40°C |
| Overall dimensions | 155mm×60mm×23mm |
| Weight | 200 g |

Main Application

The assembled machinery and permanently installed parts

Die cavity of molds

Heavy work piece

Failure analysis of pressure vessel, steam turbo-generator set and other large equipment

Testing of parts in confined areas or on gear teeth

Bearings and other parts

Material identification of the metal material warehouse

Standard Configuration

| | Seq | Name | Qty | Remark |
|------------------------|-----|---|-----|--------|
| Standard configuration | 1 | Main unit | 1 | |
| | 2 | Small Supporting ring | 1 | |
| | 3 | Standard Test Block | 1 | |
| | 4 | Cleaning Brush | 1 | |
| | 5 | Charger | 1 | |
| | 6 | Communication Cable | 1 | |
| | 7 | Data Software | 1 | |
| | 8 | Calibration Certificate | 1 | |
| | 9 | Warranty Card | 1 | |
| | 10 | Manual | 1 | |
| | 11 | Carrying Case | 1 | |
| Optional Accessories | 12 | Other Types Impact Device: C, DC, G, D+15, DL | 1 | |
| | 13 | All kinds of special support ring | 1 | |
| | 14 | printer | 1 | |

