

TH-130 series Portable Hardness Tester for Metals

TH-Series hardness testers are advanced integrated portable units, distinguished by their compact design, high accuracy, wide measuring range and simplicity of operation.

Based on the Leeb's principle, these hardness testers are designed to carry out hardness tests on metals in various conditions and environments.

TH-Series hardness testers cover a broad range of applications in industry and supply the required test results, in almost every application, where fixed hardness testers can not be used. These portable hardness testers conform to ASTM A956 standard.

SPECIAL FEATURES:

- Wide measuring range
- Automatic conversion of all hardness values
- Automatic calculation of statistical mean value
- High measurement accuracy
- Measurement in any direction, even upside down
- Compact design
- Simple operation
- Excellent Quality-Performance/Price Ratio
- Ergonomic handling
- Display with converted test data
- Rechargeable power supply
- Printer Connectable
- Standard accessories include carrying case, standard calibrated test block, 2 support rings, cleaning brush, operation manual and battery charger



TH-130



TH-134



RANGE OF APPLICATIONS:

- Hardness testing of large and heavy objects
- In production line of mass produced components
- Materials identification in stores and warehouses
- In locations with difficult access, or in confined spaces

TH-130 portable hardness tester, has the widest range of applications. Using a D-Type impact device, this model has the capability of measuring hardness in almost every direction and can measure the hardness value of most of metals including Steel, Cast Steel, Stainless Steel, Copper/Zinc Alloy (Brass), CuAl/CuSn Alloy (Bronze) and more. For Cast Iron we recommend our Hartip 3000 portable hardness tester with G impact device.

TH-134 hardness tester, has an extended "nose" support for tests in locations with difficult access. This model integrates DL-type impact device with data processing, and is capable of measuring hardness in five different impact directions. Examples of the materials that can be tested with this unit, include Steel and Cast Steel.

LIMITATIONS:

The minimum required thickness of samples to be tested with TH-series hardness testers is 3/8 inches (10mm). For thinner metals, i.e. Aluminum alloys, brass, mild steel, or copper we recommend our Webster hardness testers or Ames hardness testers (For Rockwell Testing).

The minimum required weight of samples to be tested with TH-series hardness testers is 11 lbs (5 kg), and for lower weights between 0.2 to 11 lbs (0.1 to 5 kg), the sample must be coupled on a solid support for the most accurate results.

MEASURING RANGE

TH-130	
Brinell	27-674 HB
Vickers	80-976 HV
Rockwell	20-68 HRC 13-100 HRB 59-86 HRA

TH-134	
Brinell	80-650 HB
Vickers	80-940 HV
Rockwell	20-68 HRC 37-100 HRB

TECHNICAL SPECIFICATION

TH-130	
Dimensions	156 X 24 X 55 mm
Weight	180 g
Impact Energy	11 N.mm
Test Tip	Tungsten Carbide
Extended Indenter	-
Accuracy	± 0.8%
Operating Temperature	0° - 50° C
Impact Direction	Any Angle

TH-134	
Dimensions	210 X 24 X 55 mm
Weight	200 g
Impact Energy	11 N.mm
Test Tip	Tungsten Carbide
Extended Indenter	50 X 4 mm
Accuracy	± 1%
Operating Temperature	0° - 45° C
Impact Direction	Any Angle