

# Vickers Hardness Testers

TH-714

## Models

- TH-714 DIGITAL MICRO VICKERS
- TH-302 DIGITAL ROCKWELL
- TH-600 DIGITAL BRINELL

## Other Models Available

- TH-300/301/310/320 BENCH ROCKWELL HARDNESS TESTERS.
- TH-550 ROCKWELL
- TH-500 ANALOGUE ROCKWELL
- TH-700 DIGITAL MICRO VICKERS
- TH-710/711 DIGITAL MICRO VICKERS

SUPPLIERS OF NDT & MECHANICAL TESTING EQUIPMENT

- EQUIPMENT
- SALES
- LEASING
- CALIBRATION



## Features

- Large LCD Screen to display the measuring method, test force, indentation length, hardness value, dwell time of test force.
- The hardness tester can be equipped with CCD measuring device.
- Especially suitable for testing the hardness of micro and thin specimen, fragile material.
- The tester has wide measurement and high accuracy by means of a 10 X objective and 40 X objective.
- Optional Knoop indenter can be used to measure Knoop hardness value.
- Print out testing results through built-in printer

## Technical specifications:

Test Forces: (0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80) N  
10, 25, 50, 100, 200, 300, 500, 1000 gf  
Carriage control: Automatic Loading/ Dwell/ Unloading  
Magnification: 100 x , 400x  
Dwell time of the test force: 5~60 sec  
Min graduation Value of the testing Drum wheel: 0.0625um  
Testing Field: 1 HV – 2967 HV  
X-Y Table: 100 x 100mm Movement: 25 x 25mm  
Max Height of specimen: 70mm  
Max width of specimen: 95 mm  
Cold Light Source  
Power: 220V, 60/50 Hz  
Dimensions 425 x 245 x 490 mm

Contact us for more information:

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John Duenzl : Sales



# Rockwell Hardness Testers

## TH-300 Series

### Features

- Horizontal protrudent nose design, testing on surfaces difficult to reach.
- Testing internal surface of ring parts whose diameter is not less than 23mm (0.900")
- Testing external surface of round bars whose diameter is not less than 3mm (0.120")
- Automatic test process
- High definition backlight LCD
- Simple and easy selectable operation menu
- RS-232/USB data output
- TH300: Rockwell hardness tester
- TH301: Rockwell hardness tester with auto-switch off test force
- TH310: Rockwell superficial hardness tester
- TH320: Rockwell & Rockwell superficial hardness tester



### TH-310 Technical Specifications:

Hardness Scales: Rockwell HR A, B, C, D, E, F, G, H, K, L, M, P, R, S, V

Resolution: 0.1 Rockwell Unit

Pre-Load: 98.07N/10 Kgf

Total Load: 588.4N/06kgf, 980.7/100kgf, 1471 N/150kgf

Display Matrix Backlight LCD

Language: English

Operation: Menu selectable, Membrane Keypad

Test Process; automatic

Load Duration: 2-50 Seconds, Selectable

- Functions:
- Upper/Lower hardness limits setting & alarming.
  - Data statistics: Ave, Max, Min, S,R
  - Scale conversion: Vickers, Leeb, Brinell, Rockwell superficial.
  - Curvature correction: Cylinder and sphere
  - Test force switch automatically
  - Automatic data store with 500 groups, Hardness & strength conversion among aluminium, alloy aluminium, copper and alloy copper.

Data Output: RS232, USB

Standards: ISO 6508.2, ASTM E18

Test Space: Vertical: 260mm - Horizontal: 150mm

Power Supply: 220v, 50Hz, 4A

Weight: 100 kg



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# Brinell Hardness Testers

TH-600



## Features:

Measuring the Brinell hardness of unquenched steels, cast iron, non-ferrous metals and soft bearing-alloys etc.

- High testing precision, extensive testing range, automatic load system.

- High accuracy, wide measuring range.

- Automatic force loading.

- Standards conforming to: ASTM E-10, ISO6506.2

## Technical specifications:

Test force: 1839N (187.5kgf), 2452N (250kgf), 7355N (750kgf), 9807N (1000kgf), 29420N (3000kgf)

Indenter ball diameter 2.5mm, 5mm and 10mm

Test force dwell time 6~99s adjustable

Testing range 8~650HBW

Vertical testing space Max.230mm (9")

Horizontal testing space Max.120mm (4.7")

Power supply 220V/110V, 50~60Hz, 2A

Dimensions 730×230×890mm

Net weight 218kg

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