

AT130D
Rockwell principle bench hardness tester



7952 Nieman Road, Lenexa, KS 66214-1560 USA
Phone: 913-685-0675, Fax: 913-685-0675
www.ndtsupply.com, sales@ndtsupply.com

AT 130 D

Not influenced by bending nor deflections

Simple, quick and precise

The clamping shield permits the measure of big and irregular pieces

Direct Rockwell and Brinell hardness reading

Its staunch structure and electronics makes

AT 130 D suitable for difficult environments

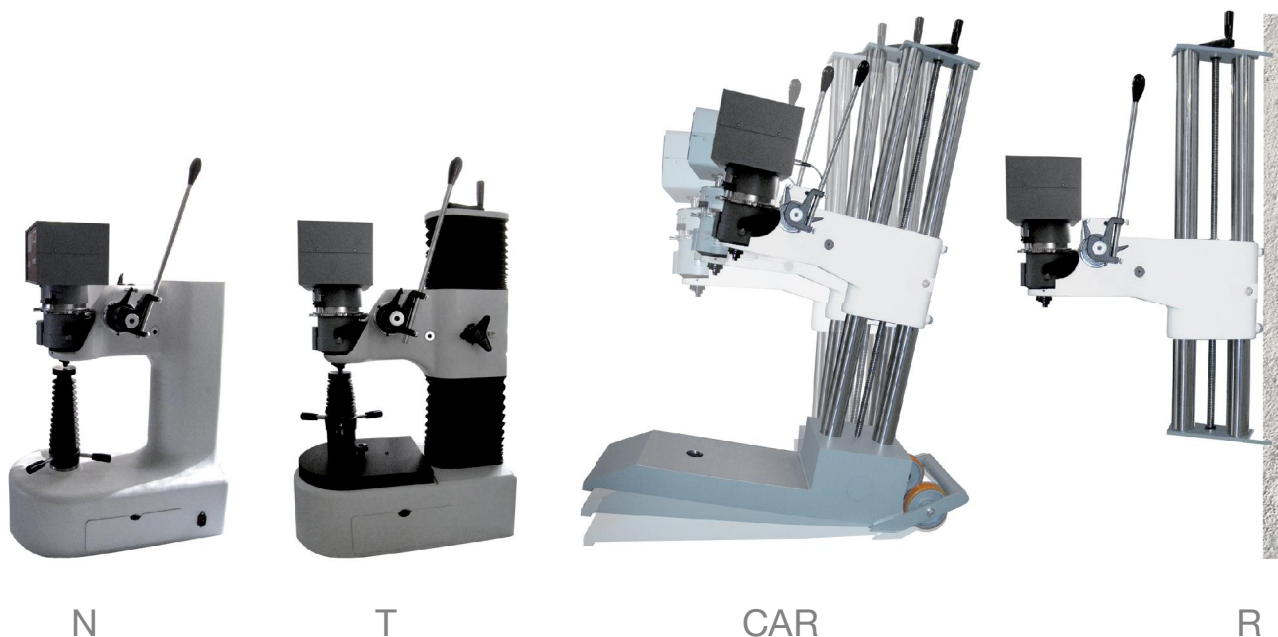


AT130D MECHANICS

Even operating following to the Rockwell principle according to DIN and ASTM in AT130D series, measuring is not influenced by deflections. The reference point is the surface of the component itself. Surface preparation is needed only where measuring takes place. With an easy movement of the lever pre-load and load are applied. With the return movement, load is taken away, and reading is made. Measuring takes no more than 3sec. (a few sec. more for very soft materials).

AT 130 D SERIES ADVANTAGES

- It clamps difficult shaped and overhanging pieces firmly to the clamping cap
- Fast batch testing, components can be loaded on the anvil without moving the handwheel
- Possibility to carry out testing according to standards on components of large dimensions

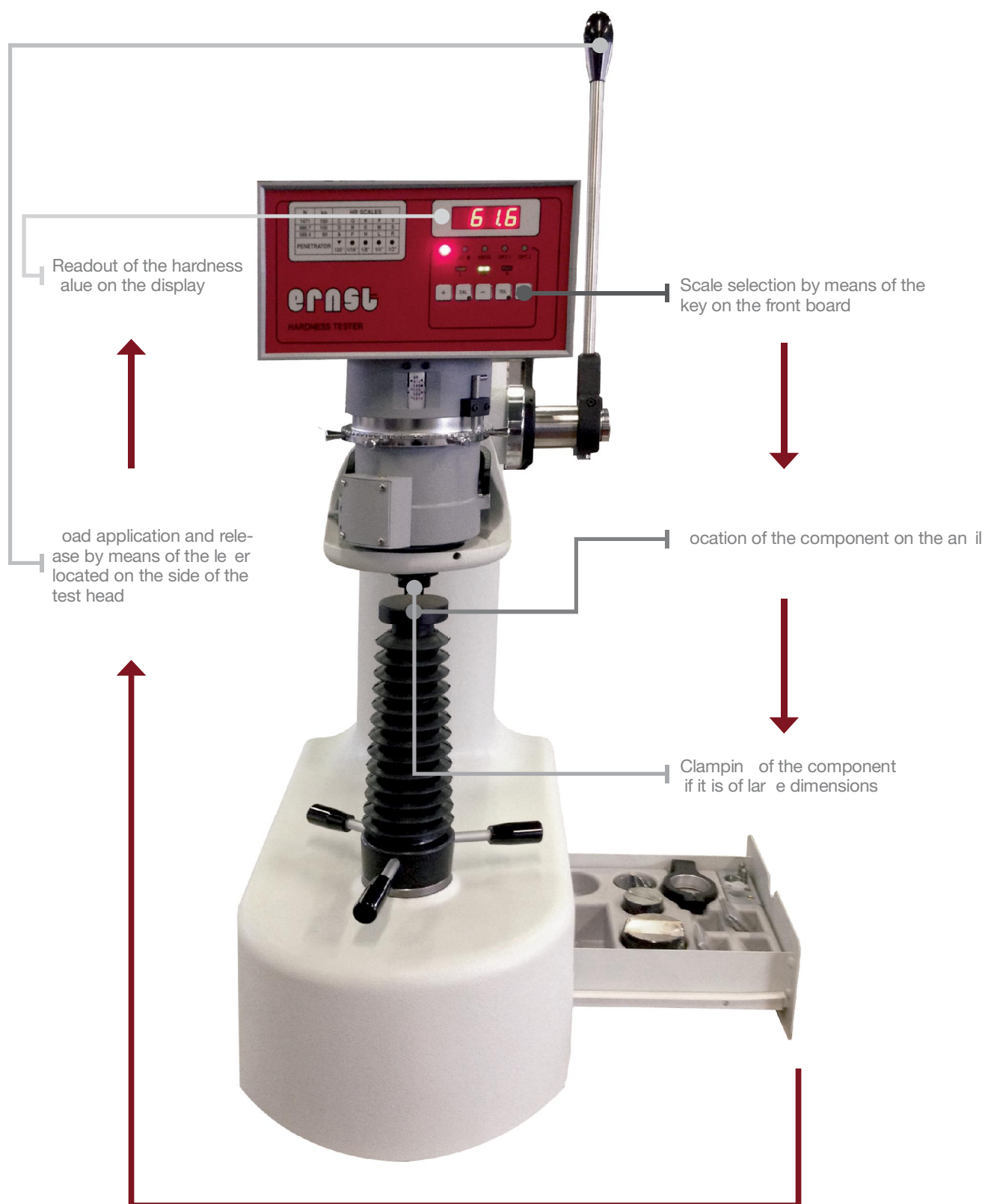


stands to choose from

- Stand T - the most versatile
- Stand N - conventional
- Stand CAR - mobile
- Stand MUR - wall mounting

Technical data concerning the stands is illustrated on the back of the brochure

AT130D - Rockwell principle bench hardness tester



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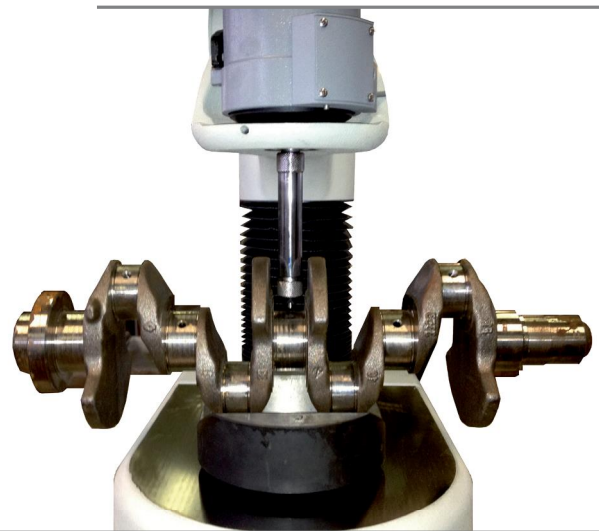
AT130DRT
Measurement on components of large dimensions is possible
In this case the indenter has an extension of 50mm
The base assembly has been removed



E-DATACAPT RE - SOFTWARE

Optional
E-DATACAPT RE expands the functionality of your hardness tester by allowing to capture and store the hardness test data on a computer.
Besides this, E-DATACAPT RE provides tolerance indicators, generates control limits and average values, provides scale conversion.
E-DATACAPT RE generates bar charts, histograms and Cpk. It builds historical data file for an effective process control.
E-DATACAPT RE is also available in a version permitting to connect up to hardness testers simultaneously.

AT130DRT
Round surfaces of large components can be tested
Rockwell test head with N stand
In the AT130 test of spherical pieces is not affected by bending or deflection
with a special indenter extension and a special V-shaped and drill for round parts



AT130DRN
In the AT130 test of spherical pieces is not affected by bending or deflection

AT130D - TECHNICA DATA

TEST HEAD AT 130 DR

pre-load	10kp (98N)
Rockwell loads	60kp (588N) 100kp (980N) 150kp (1471N)
Brinell loads	62,5kp (612N) 125kp (1226N) 187,5kp (1839N)
incorporated scales	HRA - HRB - HRC - HRD HRE - HRF - HRG - HRH HRK - Brinell HB30
scales on request	HB2,5 - HB5 - HB10 kp/mm2 - N/mm2 - Vickers

TEST HEAD 130 DSR

pre-load	3kp (29,4N)
Rockwell loads	15kp (147N) 30kp (294N) 45kp (441N)
Brinell loads	10kp (98N) 15,6kp (153N) 31,2kp (306N)
incorporated scales	HR15N - HR30N- HR45N HR15T - HR30T - HR45T HR15W - HR30W - HR45W
scales on request	HB2,5 - HB5 - HB10 Vickers

CE Conformity - Conform to DIN, IS and AST standards

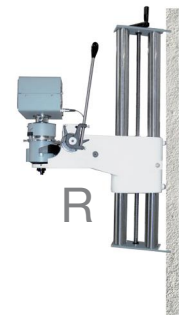
AT130D STANDARD ACCESSORIES

1 Rockwell conical diamond indenter
1 Rockwell ball indenter 1/16
1 Brinell ball indenter 2,5mm*
1 Rockwell test block
1 Brinell test block*
1 Flat anvil Ø 60mm
1 Flat anvil Ø 10mm
1 Large V-anvil
1 Small V-anvil
1 Plastic cover
Spare balls
Power supply cable

AT130D ACCESSORIES

Flat anvil Ø 200mm
V-anvil for rounds Ø 200mm
Rockwell ball indenters 1/8", 1/4", 1/2"
Brinell ball indenters 5mm
C-form extension
for measuring internal parts
Special clamping systems
on customer's request
Vise for Jominy test
Extended penetrators
and penetrator shrouds
(25mm - 50mm - 75mm - 100mm)
Bench support for hardness tester

* accessories not included for AT 130 DSR version (Superficial Rockwell)



STAND N

maximum measurable: depth 240mm - height 210mm - weight 95kg
dimensions: 30cm x 60cm x h73cm
standard equipment: 4 anvils, 1 clamping cap, 1 cover

STAND T

maximum measurable: depth 225mm - height 240mm (400mm without base assembly) - weight 125kg
dimensions: 30cm x 60cm x h95cm
longer columns can be supplied on request (+100mm +300mm +500mm)
standard equipment: 4 anvils, 1 clamping cap, 1 cover

STAND CAR

maximum measurable: depth 300mm - height 990mm - weight 165kg
dimensions: 950mm x 330mm x h1100mm
longer columns can be supplied on request (+100mm +300mm +500mm)
standard equipment: 1 clamping cap, 1 cover

STAND R

maximum measurable: depth 300mm - vertical adjustment 585mm - weight 90kg
dimensions: 300mm x 700mm x h1050mm
standard equipment: 1 clamping cap, 1 cover

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e-mail: sales@ndtsupply.com, www.ndtsupply.com



We reserve the right to make modifications

801-112EN05