

COMPUTEST SCX  
portable electronic hardness tester



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The proper solution for any hardness control issue

**ernst**

## COMPUTEST SCX

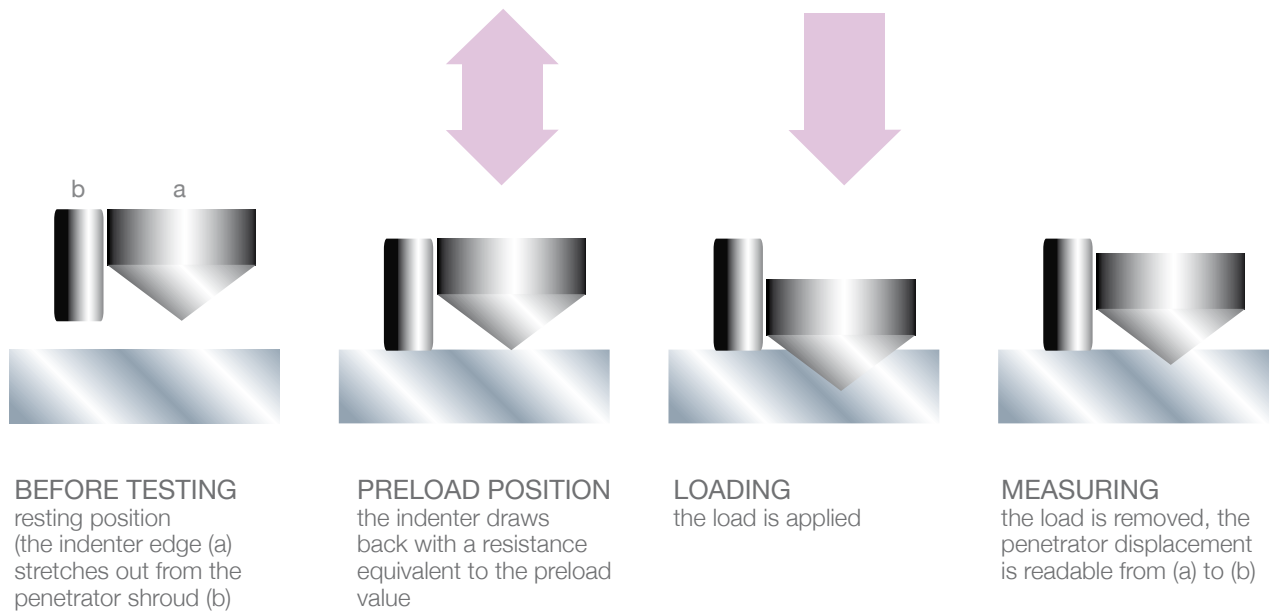
The simple way to measure hardness.  
Tests from flat to cylindrical surfaces of different types,  
materials, shapes and dimensions.  
Storage memory of 1000 test results.  
USB output.

Optional statistics software compatible with standard pc programs.  
From portable to bench hardness tester thanks to the optional stand.



**COMPUTEST SCX - THE PRINCIPLE**  
*(DIN 50157 conformity)*

COMPUTEST SCX is a portable hardness tester which works with static load according to the Rockwell principle of preload and test load. With one pressure movement, preload (zero-setting is carried out electronically) and test load are activated. The hardness value is shown on the large backlit display as soon as the hand pressure comes to the end. COMPUTEST SCX can operate with all kinds of metals, without changing the indenter. Starting a test is very easy: you only need to select the desired scale on the keyboard and to apply the force on the instrument. A minimum surface preparation is needed.



COMPUTEST SCX allows:

- To find the minimum measurable thickness
- To correct the hardness curve
- To set tolerance values
- To perform up to 1000 tests and print or download them on e-Datacapture later on
- To carry out series of tests and to immediately know the average
- To print out and to certificate in 5 different languages

# COMPUTEST SCX - portable electronic hardness tester

## COMPUTEST SCX – INNOVATIONS

The new battery charger has been developed for either directly charging the instrument or for the charging of additional battery packs.



The new electronics of Computest SCX is provided with USB output.

# COMPUTEST SCX - portable electronic hardness tester



## 1. STAND *(optional)*

A stand is available for testing components of small and irregular shapes, particularly suitable for testing small series. The stand allows testing rounds up to 1,5mm minimum diameter. Includes different interchangeable supports.

## 2. E-DATACAPTURE - SOFTWARE *(optional)*

E-DATACAPTURE expands the functionality of your hardness tester by allowing to capture and store the hardness testing data on a computer. Besides this, E-DATACAPTURE provides tolerance indicators, generates control limits and average values, provides scale conversion. E-DATACAPTURE generates X-bar, histograms and Cpk. It builds historical data file for an effective process control. E-DATACAPTURE is also available in a version permitting to connect up to 4 hardness testers simultaneously.

## 3. ANVIL FOR CYLINDRICAL SURFACES *(standard)*

The standard V-base permits testing rounds up to 35mm minimum diameter.

## 4. MAGNETIC SUPPORT *(optional)*

Can be used for either flat or round surfaces (minimum diameter 30mm). Particularly suitable for rolls, cylinders and sheet metals.

## 5. TESTING THE WHOLE METAL RANGE

COMPUTEST SCX can test the whole range of metals without changing the indenter. Illustrated above the standard extension that allows to measure internal surfaces.

## COMPUTEST SCX - TECHNICAL DATA

Type:	Computest SCX portable electronic hardness tester
Working principle:	Rockwell
Reading:	Backlit LCD 80mmx30mm
Test load:	5kgf (49N)
Preload:	1,2kgf (11.8N)
Available scales:	HRC 0-70 HRB 0-120, HB/30 80-700, N/mm <sup>2</sup> 260-2300, Kg/mm <sup>2</sup> 27-235, HV 35-1080 Other scales on request
Memory:	Up to 1000 values in 8 files
Selectable functions:	Scales, tolerances, calibration, language selection, load time, statistics
Outputs:	USB, RS 232
Power supply:	single phase from 100VAC - 240 VAC 50/60 Hz with earthing (on request 115 VAC, 50/60 Hz) or rechargeable batteries (8 hours autonomy)
Operation temperature:	0-40°C
Gross weight:	kg 5,9
Box dimensions:	cm 40x32x14
Mechanical part:	g 670
Electronic box:	g 780

## CE Conformity

### DIN 50157 Conformity

## STANDARD ACCESSORIES

Hardness tester delivered in traditional polished wooden box complete with microprocessor electronic readout

- 1 Battery charger
- 1 Diamond indenter
- 3 Test blocks
- 2 Anvils for flat surfaces
- 1 Anvil for cylindrical surfaces
- 1 Extension 50mm for inner testing
- 1 Calibration certificate
- 1 Operation manual

## OPTIONAL ACCESSORIES

- E-Datcapture software for statistics
- 80 columns printer
- Printer cable
- Additional battery pack
- Scales HB10 - HB5 - HB2,5 for light metal alloys
- HV high 400-1800
- HV low 6-180
- and optional scales on request
- Stand N or T
- Magnetic support
- Special anvils can be studied on request



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