

COMPUTEST SC
digital portable hardness tester



The proper solution for any hardness testing issue

ERNST

COMPUTEST SC

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.

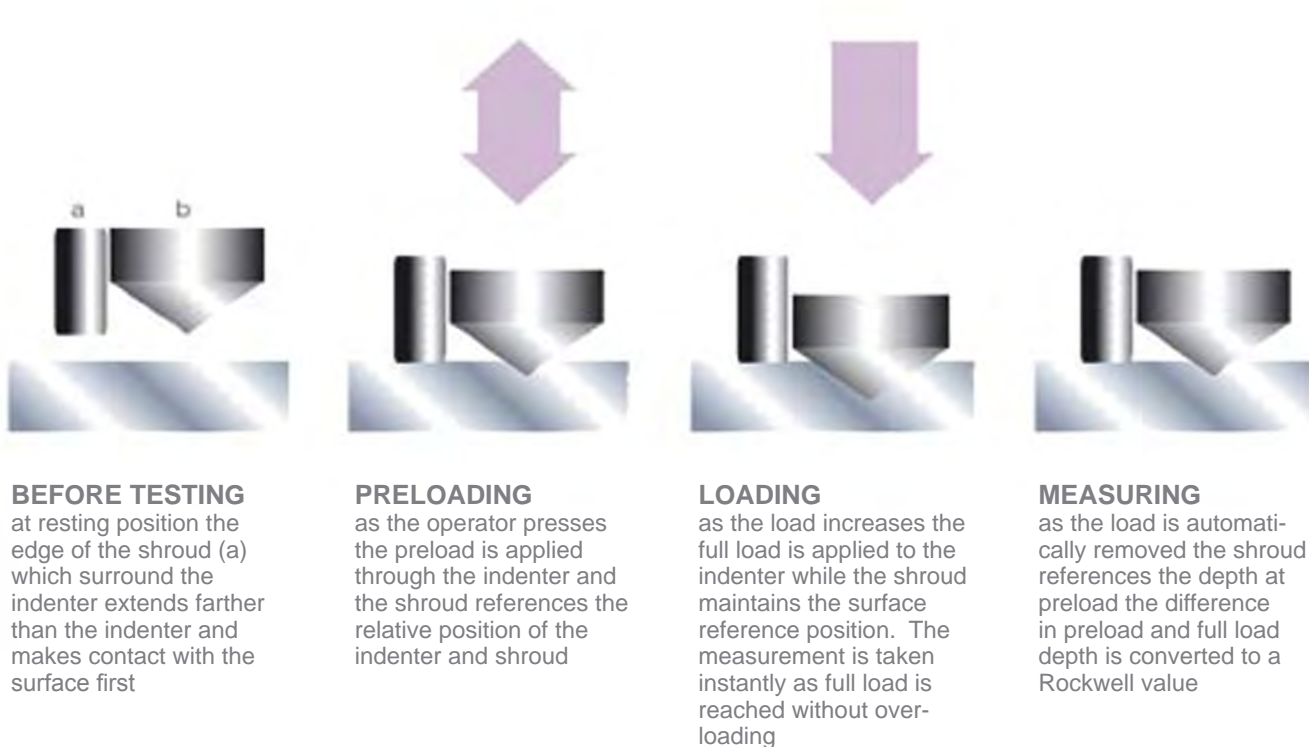
Optional statistics software compatible with standard PC programs.

From portable to bench hardness tester using the optional stand.



COMPUTEST SC - THE PRINCIPLE

Ernst COMPUTEST SC is a portable hardness tester which works with static load according to the Rockwell principle using preload and test load. With a single press on the tester the preload (carried out automatically) and full load are activated. The digital hardness value is shown on the large backlit display almost instantly after operator pressure is applied. COMPUTEST SC 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 tester. A smooth surface preparation is needed due to the light load.

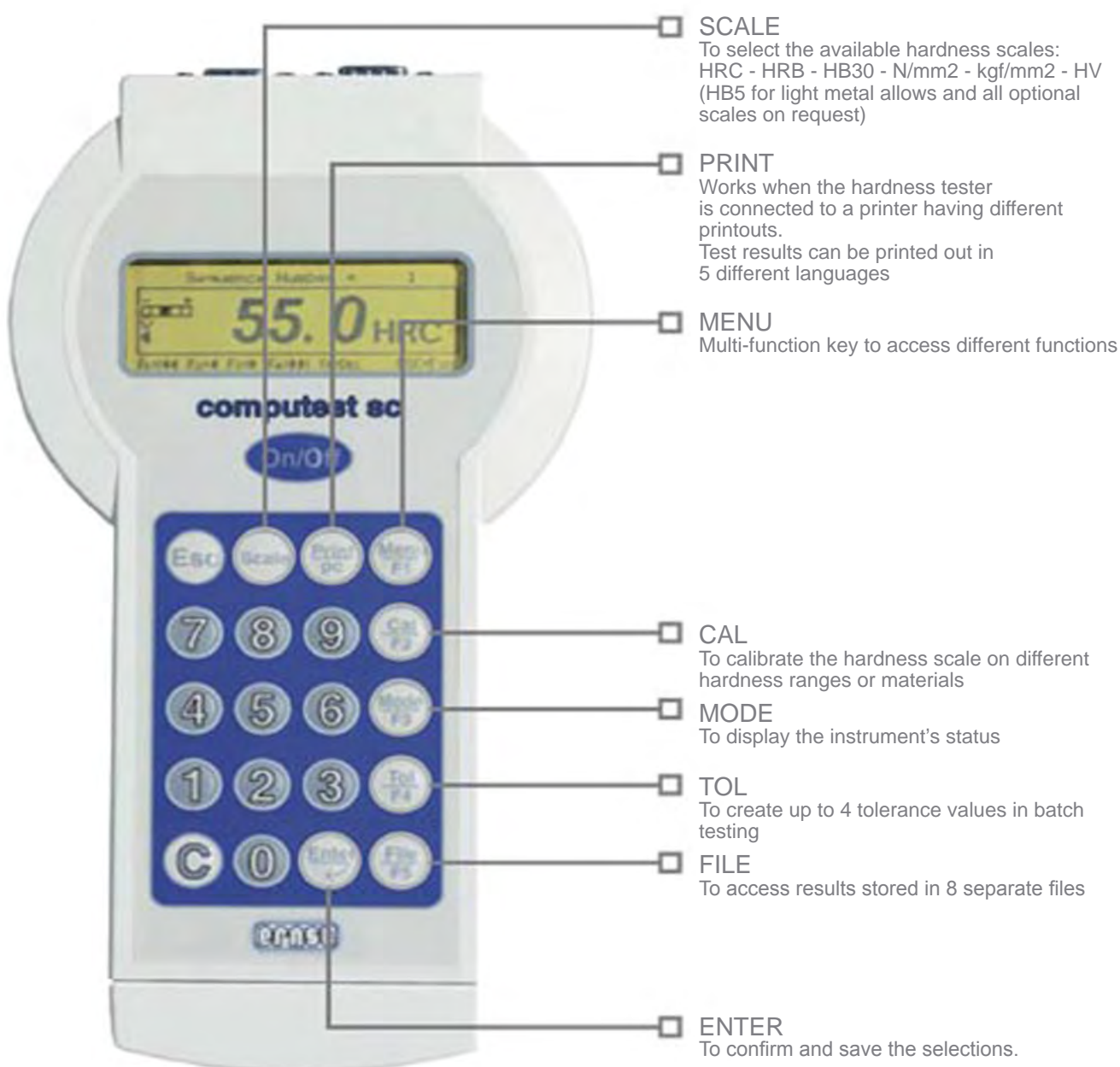


COMPUTEST SC allows the tester

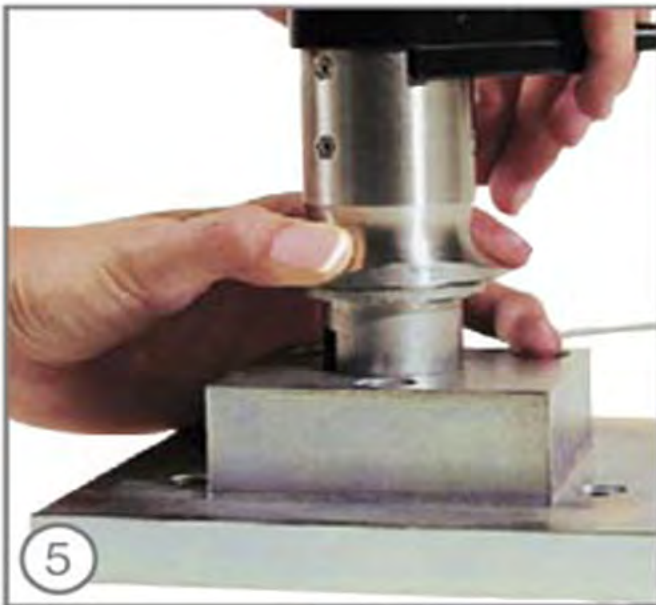
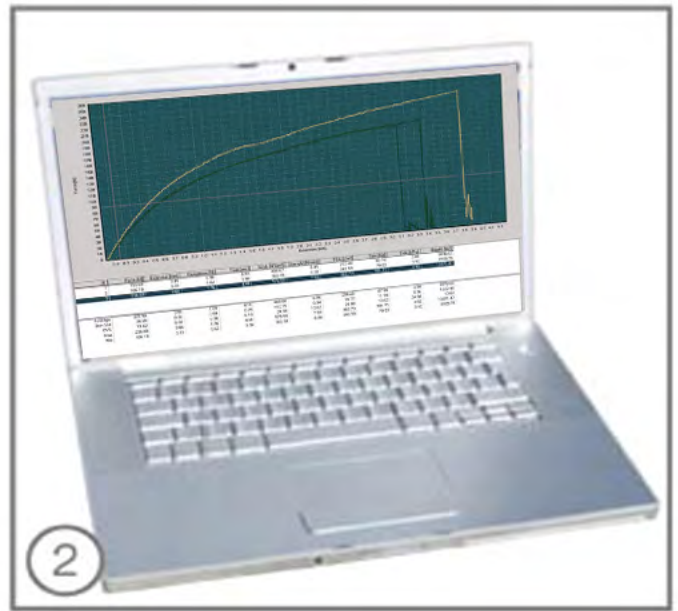
- ☐ To warn of minimum thickness value
- ☐ To change the hardness curve
- ☐ To set tolerance values
- ☐ To perform up to 1000 tests and to print or download onto material testing software later
- ☐ To carry out multiple tests with average values every x number of tests
- ☐ To display in 5 different languages

COMPUTEST SC - digital portable hardness tester

COMPUTEST SC - FUNCTION KEYS



COMPUTEST SC - digital portable hardness tester



1. Stand (optional)

A stand is available for testing metal components of small and irregular shapes, particularly suitable for testing series of tests. The stand allows testing rounds up to 1.5mm minimum diameter. Includes different interchangeable anvil feet.

2. Hardness Testing Software (optional)

Captures data and generates statistics and graphing for a variety of functions.

3. Anvil for Cylindrical Surfaces (standard)

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

4. Magnetic Support (optional)

Can be used for either flat or round surfaces (minimum diameter 30mm). Particularly suitable magnetic metals but works on other types.

5. Testing the Whole Metal Range

Computest SC can test the entire range of metals with a single indenter - no need to change.

COMPUTEST SC - TECHNICAL INFORMATION

Model	COMPUTEST SC
Principle of Operations	Digital Portable Hardness Tester
Test Result Values	Rockwell
	Digital on backlit LCD screen
	80mm x 30mm
Test Load	49N (5kg)
Preload	11.8N (1.2 kg)
Available Scales	HRC 0-70
	HRB 0-120
	HB30 80-700
	N/mm ² 266-2180
	Kg/mm ² 27-222
	HV 35-1080
	Other scales on request
Electronics	16 bit output
Available Files	8
Capacity of Memory	1000 values
Selectable Functions	Scales, tolerances, calibration, language selection, load time, etc.
Outputs	RS-232 C
Power Supply	Single phase from 100 VAC to 230 VAC
	50/60 Hz with ground
	8 hours continuous operation w/rechargeable battery
Temperature Range	0°C - 50 °C
Gross Weight	Complete instrument with case 5.9 kg.
Box Dimensions	40cm x 32cm x 14cm
Test Head Weight	0.670 kg
Electronics Weight	0.780 kg

COMPUTEST SC STANDARD ACCESSORIES

Hardness tester In traditional polished wooden box complete with microprocessor electronic readout
 1 Battery charger
 1 Diamond Indenter
 3 Test blocks
 2 Anvils for flats
 1 Anvil for cylinders
 1 Extension 50mm for ID testing
 1 Calibration certificate
 Operation manual

Specifications Subject to Change

COMPUTEST SC SPECIAL OPTIONAL ACCESSORIES

Software for statistics
 Scale HB 10 - HB5 for light metal alloys and all optional scales on request
 80 Column printer
 Printer cable
 Stand
 Magnetic support

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