

COMPUTEST SC
portable electronic hardness tester



The proper solution for any hardness control issue

ernst

COMPUTEST SC

The simple way to measure hardness.

Tests form flat to cylindrical surfaces of different types,
materials, shapes and dimensions.

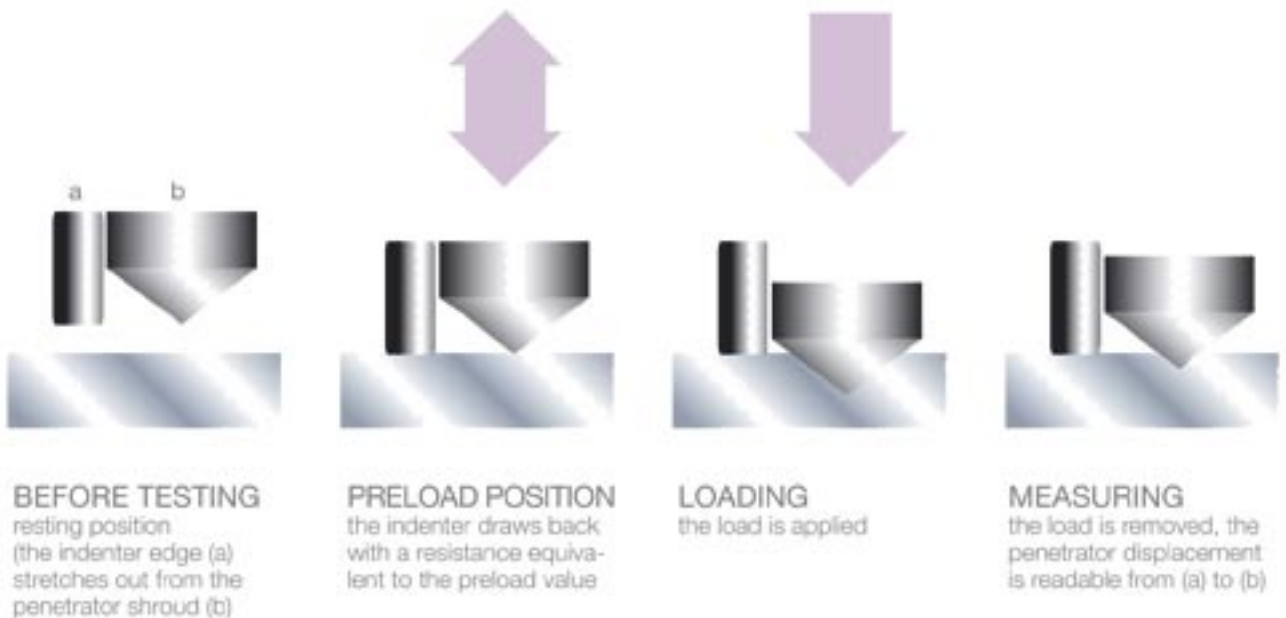
Storage memory of 1000 test results.

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



COMPUTEST SC - THE PRINCIPLE

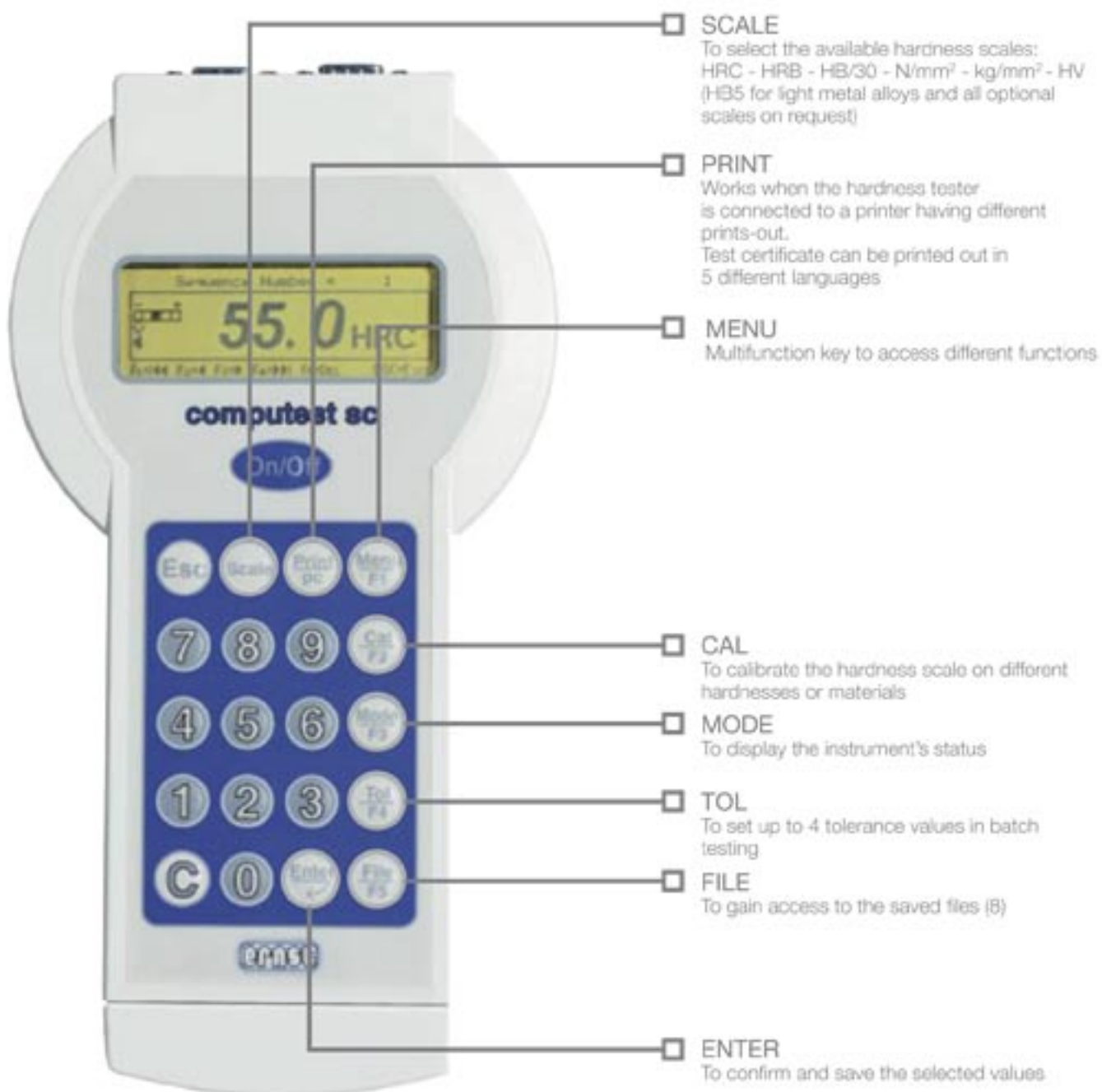
COMPUTEST SC is a portable hardness tester which works with static load according to the Rockwell principle of preload and test load. With one pressure movement, preload (zero-setting is carried out electronically) and test load are activated. The hardness value is shown on the large backlit display as soon as the hand pressure comes to the end. COMPUTEST 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 instrument. A minimum surface preparation is needed.



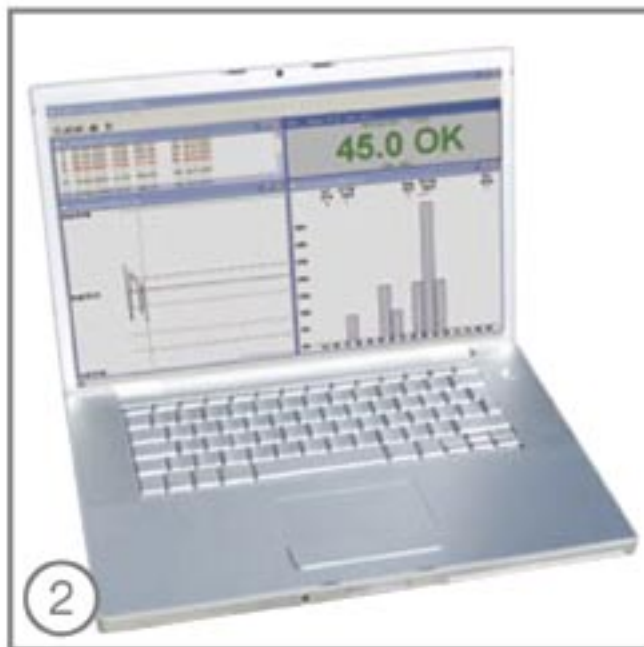
COMPUTEST SC allows:

- To find the minimum measurable thickness
- To correct the hardness curve
- To set tolerance values
- To perform up to 1000 tests and to have them printed or downloaded on dataview later on
- To carry out series of tests and to immediately learn the average
- To print out and to certificate in 5 different languages

COMPUTEST SC - FUNCTION KEYS



COMPUTEST SC - 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 DATAVIEW32 (optional)
Captures and stores hardness testing data on a computer and generates files, which are compatible with standard pc programs. Provides tolerance indicators, generates control limits and average values, generates X-bar and R charts, histograms, CPk, etc. Provides scale conversion, minimum thickness values and round correction; builds historical data files with descriptive information for true process control.

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 SC can test the whole range of metals without changing the indenter.

COMPUTEST SC - TECHNICAL INFORMATION

TYPE	COMPUTEST SC
WORKING PRINCIPLE	portable electronic hardness tester
READING	Rockwell
TEST LOAD	Digital, on graphic backlit LCD
PRELOAD	80mm x 30mm
AVAILABLE SCALES	49N (5Kp)
	11.8N (1.2Kp)
	HRC 0-70
	HRB 0-120
	HB/30 80-700
	N/mm ² 266-2180
	Kg/mm ² 27-222
	HV 35-1080
	(other scales on request)
ELECTRONICS	16bit connectable to peripheral units
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 100VAC - 230VAC
	50/60Hz with earthing
	8 hours operation rechargeable batteries
OPERATION TEMPERATURE	0C°-50C°
GROSS WEIGHT	Complete instrument with case 5.9Kg
DIMENSIONS OF THE BOX	40cm x 32cm x 14cm
MECHANICAL PART	670gr
ELECTRONIC BOX	780gr

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 flat surfaces
- 1 Anvil for cylindrical surfaces
- 1 Extension 50mm for inner testing
- 1 Calibration certificate
- Operation manual

COMPUTEST SC
SPECIAL OPTIONAL ACCESSORIES

Software for statistics
Scale HB10 - HB5 for light metal alloys and all optional scales on request
80 Columns printer
Printer cable
Stand
Magnetic support

We reserve the right to make modifications

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