

# **HANDY ESATEST**

## **Portable Hardness Tester**

**The most suitable and accurate portable hardness tester on the market for hard to access areas**

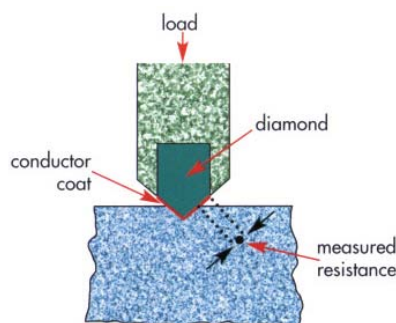
HANDY ESATEST Hardness Tester is a result of more than forty years of experience and continuing research for new technological solutions to solve problems in hardness testing of metals.

HANDY ESATEST is the new and state-of-the-art portable hardness tester which measures the electric resistance.

This new patented principle of hardness determination, permits testing of the most difficult, or up to now inaccessible locations.

The wing of a supersonic plane, the wishbone of a racing formula one car, a turbine blade, a wheel joint, are only some of the "difficult" applications which HANDY ESATEST is able to fulfill, issuing data with a detailed comparative diagram and report

- Small or Large specimens
- Irregular shapes
- Interiors
- Gear evolvents
- Progressive load application
- With only one measurement the different harnesses can be visualized conforming to the whole range of loads from 1 to 10kp.
- 16 bit Electronics
- Latest software, multilingual and multifunction/statistics.
- Direct reading on graphic LCD display 80x30 mm.





## HANDY ESATESTER TECHNICAL SPECIFICATIONS

<b>Type</b>	HANDY ESATEST, portable hardness tester.
<b>Working principle</b>	Measuring of electric resistance.
<b>Reading</b>	Digital, on graphic LCD display 80x30 mm.
<b>Test load</b>	progressive application from 1 to 10kp (9.81 - 98.1 N).
<b>Load application</b>	Progressively, possibility to set the maximum load by keyboard.
<b>Incorporated scales</b>	HV, HRC, HRB, HRA, Brinell HB 30, ZNmm 2, HRF, other scales on request.
<b>Electronics</b>	16 bit, connectable to peripheral units.
<b>Available files</b>	8.
<b>Capacity of memory</b>	1000 values.
<b>Selectable functions</b>	scales, tolerances, calibration, language selection, test load, etc.
<b>Outputs</b>	RS232 C
<b>Power supply</b>	Single-phase from 100 to 230 VAC, 50/60 Hz with earthing. Batteries with 8 hours life.
<b>Operation temperature</b>	10 - 40°C, with sensor for automatic temperature compensation.
<b>Gross weight of the instrument with wooden case</b>	5.9 Kg.
<b>Mechanical unit</b>	670 g
<b>Electronic box</b>	780 g
<b>Standard Accessories</b>	Vickers test block calibrated at 1 to 10 kp, Support for flat surfaces, Support for round surfaces, Two points support, Kit for none magnetic material, Keys, Fuses, Magnetic sensor cable, Wooden case, Instruction Manual in English
<b>Optional Accessories</b>	Support for internal surfaces: depth 50 mm. - diam. min. 15 mm, Software for statistics, Rockwell test block, Brinell test block, Special Scales, Spare indenter, 80 columns printer, Printer cable, Software for test graph analysis and data management on PC

