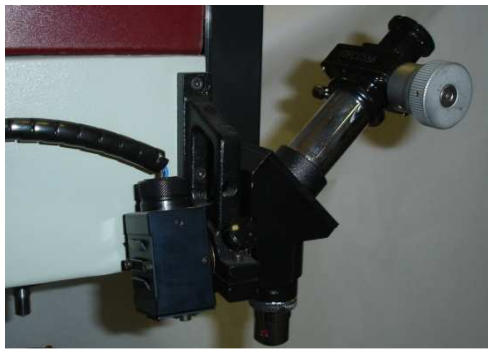
Code	Description
742002000	**ERGOTEST DIGI 25 RS** ***Digital automatic hardness tester***
	Standard and Superficial Rockwell tests as per ISO 6508-2 and ASTM E18 Brinell indentations with loads: 30-100 kgf as per ISO 6506-2 and ASTM E10 Vickers indentations with loads: 100-60-30 kgf as per ISO 6507-2 and ASTM E384 The measurement of Brinell and Vickers indentations is allowed by an optional digital device, code 742032280.
	• Colour touch screen LCD provided with alphanumerical readout and practical, quick and ease-of-use graphics • 0.1 Rockwell Resolution • Selectable load dwell time • Software guide to the correct configuration in the various scales • Results can be verified and compared with standard values • Possibility to save/retrieve test batches on external devices such as USB key and/or LAN company networks • Possibility to enter nominal values and tolerances • Software for the calculation of statistical parameters, such as average value, standard deviation, max. and min. values and number of measurements with indication of out-of-tolerance values, date, time, work piece No., batch No., histogram of the effected tests, line chart with indication of the test trend • Data convertible into text or Excel formats • Automatic software updates via USB key • Automatic conversion of the values measured in the various hardness scales: Rockwell, Brinell, Knoop, Vickers as well as tensile strength according to either “Galileo conversion tables”, ISO 18265 or ASTM E140 standards

Code	Description	Euro
	• Automatic test cycle with electronic process control • Automatic correction of measurements on the cylindrical and spherical work pieces as per ISO and ASTM Standards • Manual load selection with electronic load control • Automatic selection of the pre-load (3kgf for Rockwell Superficial and 10 kgf for Rockwell Standard) • Language selection • Diagnosis and test menu • Max. work piece height 295 mm – throat depth 220 mm • Serial RS232 interface to WiFi printer and Ethernet port for connection to LAN network or Host Computer • USB Interface for data transfer • Possibility to certify the instrument according to ISO Standards (ask for relevant offer): – direct and indirect verification for Standard Rockwell and Superficial scales – direct load verification for Brinell and Vickers scales – indirect verification for Brinell and Vickers scales (only if the accessory code 742032280 is mounted) • The hardness tester is provided with: – Instruction manual – Hardness conversion booklet – Dust cover	
742003100RS	**ACCESSORY SET "A" for Ergotest DIGI RS**	
	• Flat anvil, 60 mm Ø • Central relief anvil, 37 mm Ø • Deep "V" shaped anvil, 37 mm Ø • Small "V" shaped anvil, 37 mm Ø • Diamond 120º cone indenter for Rockwell testing • Hard metal ball indenter 1/16" Ø for Rockwell testing • Hard metal ball indenters 1 mm Ø for Brinell testing • Test block HRC • Test block HRB • Allen-keys	
742003600	**ACCESSORY SET "C"**	
	120º diamond cone indenter for Rockwell testing • Flat anvil 60 mm Ø • Allen-keys	
NOTE (1):	**THE SUPPLY OF HARDNESS TESTER ERGOTEST DIGI 25 R MUST BE COMBINED WITH EITHER ACCESSORY SET "A" OR "C" AS ABOVE QUOTED.**	
NOTE (2):	**ACCESSORY SET "A" AND "C" DO NOT INCLUDE TEST BLOCKS FOR SUPERFICIAL ROCKWELL TESTING. FOR ORDERS PLEASE REFER TO THE FULL LIST OF HARDNESS TESTER ACCESSORIES**	
742009000	• Metal cabinet, floor-standing, with locking door for Ergotest DIGI R - RS – U (70x60x85 cm)	

Code	Description
742032280	**DIGITAL MEASURING DEVICE** **FOR BRINELL & VICKERS INDENTATIONS GENERATED BY GALILEO HARDNESS TESTERS MODEL ERGOTEST DIGI** **Note: This device can be supplied only if combined with a NEW Hardness Tester Model Ergotest DIGI** *The kit includes*:
	• A **BUILT-IN DISPLAY** which allows programming the tests to be performed, managing the actual measuring phases of Vickers and Brinell indentations and processing the final results
	• A **MICROSCOPE** equipped with DIGITAL EYEPIECE and SLIDE for work piece holding, (to be mounted on the Galileo hardness tester model Ergotest) consisting of**:** ➢ Stand with clamp to fix the microscope to the side of the hardness tester ➢ 10X digital micrometric eyepiece with dioptric adjustment, 0,1 µm resolution, calibrated for the three available objectives; ➢ 2,5X objective: view field 4,4 mm, measuring field 2,4 mm, total magnification 25X; ➢ 5X objective: view field 2,2 mm, measuring field 1,2 mm and total magnification 50X; ➢ 10X objective: view field 1,1 mm, measuring field 0,6 mm, total magnification 100X . This objective can be certified by our ACCREDIA Calibration Centre upon request. ➢ The observation of the indentation through the microscope is carried out by moving the specimen along the axes by means of a sturdy and accurate linear slide. ➢ The indentation focusing is carried out by moving the specimen vertically by means of the lifting screw; ➢ Direct illumination of the indentation by halogen lamp



Code	Description
742032261	**ANALOGUE MEASURING DEVICE** **for BRINELL & VICKERS indentations** **generated by HARDNESS TESTERS model ERGOTEST** **consisting of:**
	• **MICROSCOPE** integrated in the hardness tester fitted with a micrometric eyepiece and three interchangeable objectives **for Brinell and Vickers indentations** with following features: ➢ Stand with clamp to fix the microscope to the side of the hardness tester ➢ Micrometric eyepiece with dioptric adjustment. The measurement can be performed by means of an overlay chart. ➢ 2,5X objective: view field 4,4 mm, measuring field 3,2 mm, scale 1 division = 4 µm, resolution ½ division = 2 µm, total magnification 25X ➢ 5X objective: view field 2,2 mm, measuring field 1,6 mm, scale 1 division = 2 µm; resolution ½ division = 1 µm, total magnification 50x ➢ 10X objective: view field 1,1 mm, measuring field 0,8 mm, scale 1 division = 1 µm; resolution ½ division = 1/2 µm, total magnification 100X. This objective can be certified by our ACCREDIA Calibration Centre upon request. ➢ Transformer with relative connecting cable to the microscope lamp The observation of the indentation through the microscope is carried out by moving the specimen along the axes by means of a sturdy and accurate linear slide. The indentation focusing is obtained by moving the specimen vertically by means of the lifting screw; Direct illumination of the indentation by halogen lamp