| Code | Description |
|---|---|
| **742000301** | **ERGOTEST COMP 25**<br>***Dial gauge hardness tester with automatic zero setting*** |
| | Standard Rockwell tests with loads: 150-100-60 kgf<br>Superficial Rockwell tests with loads: 45-30-15 kgf<br>Rockwell tests on plastic materials, according to ASTM D785 Standard procedure "A", with loads: 150-100-60 kgf<br>Brinell indentations with loads: 250-187.5-125-62.5-31.25-30-15.625-10 kgf<br>Vickers indentations with loads: 100-60-30-10 kgf<br>The measurement of Brinell and Vickers indentations is carried out by means of an optional device, code 742032261 or 742032279 |
| | • Twin scale 80 mm Ø dial gauge for Standard & Superficial Rockwell testing<br>• 1 Rockwell unit resolution (estimation 0.2 Rockwell units)<br>• Max. work piece height: 295 mm<br>• Throat depth: 220 mm.<br>• 3 or 10 kgf pre-loads can be selected manually<br>• 10 kgf load (when 3 kgf pre-load is selected) included<br>• Load application speed adjustable by means of a dashpot<br>• Possibility to certify the instrument according to ISO Standards (ask for relevant offer):<br>– direct and indirect verification for Standard Rockwell scales<br>– indirect verification for Superficial Rockwell scales<br>– direct load verification for Brinell and Vickers scales<br>– indirect verification for Brinell and Vickers scales (only if the accessory code 742032261 or 742032279 is mounted)<br>• The hardness tester is provided with:<br>– Instruction manual<br>– Hardness conversion booklet<br>– Dust cover<br>– Small bottle of special oil |

| Code | Description | |
|---|---|---|
| **742003100R** | **ACCESSORY SET "A" for Ergotest COMP - DIGI R e DIGI U** | |
| | • Flat anvil, 60 mm Ø<br>• Central relief anvil, 37 mm Ø<br>• Deep "V" shaped anvil, 37 mm Ø (suitable for pieces up to 62 mm Ø)<br>• Small "V" shaped anvil, 37 mm Ø (suitable for pieces up to 14 mm Ø)<br>• Diamond 120º cone indenter for Rockwell testing<br>• Hard metal ball indenter, 1/16" Ø for Rockwell testing<br>• Hard metal ball indenter, 2,5 mm Ø for Brinell testing<br>• Hard metal ball indenter 5 mm Ø for Brinell testing<br>• Test block HRC<br>• Test block HRB<br>• Allen-keys | |
| **742003600** | **ACCESSORY SET "C"** | |
| | • 120º diamond cone indenter for Rockwell testing<br>• Flat anvil 60 mm Ø<br>• Allen-keys | |
| | **SET OF LOADS** | |
| **742000206** | • Load Set No. 1 (60 kgf) | |
| **742000207** | • Load Set No. 2 (60-62.5 kgf) | |
| **742000208** | • Load Set No. 3 (60-62.5-100 kgf) | |
| **742000209** | • Load Set No. 4 (60-62.5-100-150 kgf) | |
| **742000210** | • Load Set No. 5 (60-62.5-100-150-187.5 kgf) | |
| **742000211** | • Load Set No. 6 (60-62.5-100-150-187.5-250 kgf) | |
| **742000212** | • Load Set No. 7 (31.2 kgf) | |
| **742000213** | • Load Set No. 8 (60-62.5-100-125 kgf) | |
| **742000215** | • Load Set No. 9 (15 kgf) | |
| **742000216** | • Load Set No. 10 (15-30 kgf) | |
| **742000280** | • Load Set No. 11 (15-30-45 kgf) | |
| **742000281** | • Load Set No. 12 (15,625 kgf) | |

**NOTE (1): ONLY 10 KGF LOAD IS INCLUDED IN THE STANDARD COMPOSITION. SELECT A LOAD SET AMONG THE ABOVE QUOTED OPTIONS IN ORDER TO OBTAIN THE REQUIRED CONFIGURATION FOR YOUR HARDNESS TESTER.**

**NOTE (2): THE HARDNESS TESTER COMP 25 WHEN USED FOR TESTING PLASTIC MATERIALS MUST BE EQUIPPED AS FOLLOWS:**

- **SET OF LOADS NO. 4 + ACCESSORY SET "A" + HARD METAL BALL INDENTERS Ø 1/8",1/4", 1/2"**
- **SET OF LOADS NO. 4 + ACCESSORY SET "C" + HRB TEST BLOCK + HARD METAL BALL INDENTERS Ø 1/16",1/8",1/4",1/2"**

**NOTE (3): BE AWARE THAT THE ACCESSORY SETS "A" AND "C" DO NOT INCLUDE SUPERFICIAL ROCKWELL TEST BLOCKS. THEREFORE THESE ACCESSORIES MUST BE ORDERED AMONG THE OPTIONS ABOVE.**

**NOTE (4): THE SUPPLY OF HARDNESS TESTER ERGOTEST COMP 25R MUST BE COMBINED WITH EITHER ACCESSORY SET AS ABOVE QUOTED.**

| | | |
|---|---|---|
| **742005000** | • Metal cabinet, floor-standing, with locking door (70x60x65 cm) | |

| Code | Description |
|---|---|
| 742032279 | **DIGITAL MEASURING DEVICE**<br>**FOR BRINELL & VICKERS INDENTATIONS GENERATED BY GALILEO HARDNESS TESTERS MODEL ERGOTEST COMP 25**<br>**Note: This device can be supplied only if combined with a NEW Hardness Tester Model Ergotest COMP 25**<br>*The kit includes*: |
| | **CONTROL PANEL** with following features:<br>➢ Colour touch screen LCD provided with alphanumerical readout and practical, quick and ease-of-use graphics<br>➢ Software guide to the correct configuration in the various scales<br>➢ Results can be verified and compared with standard values<br>➢ Possibility to save/retrieve test batches on external devices such as USB key and/or LAN company networks<br>➢ Possibility to enter nominal values and tolerances<br>➢ 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<br>➢ Data convertible into text or Excel formats<br>➢ Automatic software updates via USB key<br>➢ Automatic conversion of the values measured in the various hardness scales: Rockwell, Brinell, Vickers, Knoop, as well as tensile strength according to either “Galileo conversion tables”, ISO 18265 or ASTM E140 standards<br>➢ Automatic correction of measurements on the cylindrical and spherical work pieces as per ISO or ASTM Standards<br>➢ Diagnosis and test menu<br>➢ Language selection<br>➢ Serial RS232 interface to WiFi printer and Ethernet port for connection to LAN network or Host Computer<br>➢ USB Interface for data transfer |

| Code | Description |
|---|---|
| | A **MICROSCOPE** equipped with DIGITAL EYEPIECE and SLIDE for work piece holding, (to be mounted on the Galileo hardness tester model Ergotest) consisting of**:**<br><br>➢ Stand with clamp to fix the microscope to the side of the hardness tester<br>➢ 10X digital micrometric eyepiece with dioptric adjustment, 0,1 μm resolution, calibrated for the three available objectives;<br>➢ 2,5X objective: view field 4,4 mm, measuring field 2,4 mm, total magnification 25X;<br>➢ 5X objective: view field 2,2 mm, measuring field 1,2 mm and total magnification 50X;<br>➢ 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.<br><br>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.<br>The indentation focusing is carried out by moving the specimen vertically by means of the lifting screw;<br>Direct illumination of the indentation by halogen lamp |