

S205-05**UNITRONIC 50 kN**, UNIVERSAL MULTIPURPOSE FRAME FOR:

- TENSILE TESTS, 25 kN MAX. CAPACITY LOAD
- COMPRESSION / FLEXURAL TESTS, 50 kN MAX. CAPACITY LOAD

WITH AUTOMATIC LOAD OR DISPLACEMENT/DEFORMATION CONTROL.

The load is applied by a mechanical jack that is driven by a motor "brushless with closed loop through optic encoder" and controlled by a microprocessor. Stroke electric end switches are applied to the load piston to save the machine from accidental handlings. The control panel is placed frontally and it is provided with a membrane having 6 multifunctional interactive pushbuttons driven by menu, a large graphic display and RS232 port for connection to PC.

Tensile tests on metals, plastics, wires, textiles etc.

Test development with load control

Needed accessories for metal flat and round specimens:

- S337-36** Tensile strain load cell 25kN capacity
- H005-11** Tensile heads (upper and lower)
- S205-09** Devices to fix the tensile heads to the frame
- H005-21** Flat seizing grips for flat specimens 1 - 10 mm thickness by 25 mm max. width and round specimens dia. 1 - 5mm
- H005-31** "V" shape seizing grips for round specimens dia. 5 - 12mm

Optional accessories:

- H014** Extensometer, electronic, for tensile deformation strength tests.
- H009N** Software for visualisation in real time of load/deformation, graphic, test certificate etc.

At pag. 334 and 335 of the catalogue there are listed devices to test plastics, wires, ropes, flexural and bending tests and various models of extensometers

Various materials:

By using suitable devices, Unitronic tester; within the limits of its max. 50 kN capacity for compression/flexural performs compression, flexural, splitting tensile and direct tensile tests on: Concrete, Cement, Rocks, Bituminous Materials, Soil etc., with automatic load or displacement/deformation control.

Unitronic technical details and additional specific tests: see pag. 384

S206**MULTI-TESTER 200kN**

UNIVERSAL ELECTROMECHANICAL FRAME FOR TENSILE TESTS ON METAL, WITH SERVOCONTROLLED SYSTEM OF LOAD OR DISPLACEMENT/STRAIN.

The machine is also suitable for tests on:

- Bituminous mixtures (Marshall, Duriez, Leutner shear, Splitting tensile)
- Concrete (flexure on beams and clay tiles, splitting on cylinders, cubes and block pavers, punching)
- Cement and mortar (compression and flexure)
- Soil (CBR)

Technical details: see pag. 390



S205-05
with load
cell

section H



337

S205-05
accessories for
tensile test



S206

MATEST