

25KN TESTING MACHINE



Non contractual photo

SERVICE : POWER SUPPLY: 230V + T

POWER: 800W

DIMENSIONS : 1800 X 913 X 590 MM

WEIGHT : 245KG

REFERENCE : EM525

- Static testing machine for tensile, compression, bending tests.
- Robust two-column frame mounted on wheels and storage cabinet
- Distance between columns: 350mm
- Adjustable top rail
- Rigid transmission: motor, geared motor and ball screw
- Test chamber height under sensor: 400 mm
- Force sensor: 25kN capacity connected in USB (50N resolution, 0.5% accuracy)
- Displacement sensor: 300 mm stroke, 1µm resolution connected via USB
- Pinned interface for quick change of supports
- Force control or displacement during tests
- Adjustable speed
- Stroke: 300 mm
- Control of the test by control and analysis software
- High and low limit safety sensor
- High resolution: 65000 points

Technical specifications :

Windows 7 PC with 19 " screen, mouse and QWERTY keyboard. The QuantX software for data acquisition and CoRRe IV software for Microsoft Excel test report editing is provided with the EM525 test machine.

OPTIONS :

Bending tests : 3-point bending, adjustable center distance from 30 to 330mm, 10mm diameter rollers 4-point bending, adjustable center distance from 30 to 330mm, 10mm diameter rollers Supplied system is provided with 1 test set steel / aluminum / brass / nylon 30x15x250
Tensile tests at 25kN: Self tightening grip with manual lock Jaws for round and flat 0 to 13mm Supplied system is supplied with 5 sets of round steel / aluminum / brass / nylon Ø4 and Ø5 + test pieces flat steel / aluminum / brass 2x10 and nylon 3x10. Tensile tests at 10kN
Compression test: Compression trays in 96mm and 58HRC diameters
Top plate mounted on a ball joint Supplied system is supplied with 1 nylon test piece 50x50x50mm + 5 set polystyrene test pieces 50x50x50 (density 10-13kg / cm³ and 26-30kg / cm³) + 5 sets of polyurethane test pieces 50x50x50 (60sH and 90sH)
Shear test: Single or double shear tooling, for use with compression bearings, Ø4 and Ø6 round samples System supplied with 5 test sets steel / aluminum / brass / nylon Ø4x50 and Ø6x50
Stamping test (purchase of the mandatory compression option for this test) Composed of a punch Ø10 and a clamping jaw of the specimen. Also equipped with a punch for punching. System supplied with 10 test sets of steel / aluminum / brass Ø50mm x1mm nylon Ø50mm x2mm
Hardness test with hardness measuring microscope and standard: Hardness testing Brinell HBS

5/750 Ball diameter: 5 mm Measuring table with compression plate
Measurement of the impression with magnifying glass and grid reticle
(x40) System supplied with 2 sets of test specimens in steel /
aluminum / brass / nylon 50x50x5