

Digital Cement Compression Machine Dual Range 0-500kN and 0-15kN



Code CE401
Tariff 902480 90

Main image shows compression machine with an on-board printer. This is not part of the standard unit. It is available as a special option.

For cement, bricks, rock, refractories and any kind of low resistance material. Recommended for compression and flexural tests, this machine has a digital readout. 2 separate pressure transducers enable dual ranges of 0 to 500kN and 0 to 15kN.

Standards - EN 196/1 - BS 3892 - ASTM C109 - EN/ISO 679

Designed for compression tests on the following samples

- 40.1 x 40 x 160mm prisms
- 40mm, 50mm, 70mm, 100 mm and 2" cubes
- cores with a maximum height of 180mm

Designed for flexural tests on 40.1 x 40 x 160mm prisms using suitable devices

Physical Load Frame Specification

Maximum vertical daylight: 185 mm

Ram travel: 45mm

Platen diameter: 153mm

Calibration accuracy: grade 1.0

Supplied complete with lower compression platen, servo-control and coupling piece to fit compression/flexural devices

Power supply: 220-240V 50Hz 1ph 750 W

Digital Readout

- High resolution: up to 24 bit
- Stores up to 600 complete tests
- 320 x 240 pixel display
- Test software to meet new standards EN, UNI, BS, ASTM
- Selectable measuring ranges: kN, kg, lb, t, mPa, n/mm², psi, lb/in², kg/cm² Pace rate display: mPa/s, n/mm²/s, psi/s, kN/s, kg/cm²/s, kn/s, lb/s, kg/s, t/s
- Selectable languages: Italian, English, French, German, Spanish, Polish.
- RS232 interface for PC connection
- 2 parallel ports for printer connections
- Automatic linearity guided algorithm with very high precision (class 0,5 starting from 10% of the maximum value. on demand starting from 1% of the maximum value).
- Easy to use interface with 5 multi-functions push buttons
- Alphanumeric and graphical display of test data
- Programmable safety measures for machine/sample protection
- Memory of the most commonly used samples: area, weight, specific weight etc., with the ability to add samples with irregular shapes.
- Sample dimensions in cm, mm or inches

Power supply: 220-240V 50Hz70W

Dimensions: 240mm x 160mm x 380 mm (digital readout only)

Weight: 8 kg (digital readout only)