COMPRESSION TESTING MACHINE 4000 KN CAPACITY TESTED FOR HIGH STABILITY HIGH-END MODELS

TO TEST CUBES UP TO 200 MM SIDE AND CYLINDERS UP TO Ø 250X500 MM

STANDARDS: EN 12390-4, EN 13503-2 | BS 1881:115, BS 812-110, 812-111 | DIN 51220 | NF P18-411 | ASTM C39 | AASHTO T22
GOST 10180-2012 | API RP 19C

4000 KN CAPACITY

MAIN FEATURES FOR ALL MODELS

- Max. vertical daylight: 590 mm
- Horizontal daylight between columns: 530 mm
- Compression platens Ø 287x60 mm
- Calibration accuracy: Class 1
- Max. ram travel 60 mm approx.
- **High stiffness and heavy weight 4 columns frame (german-style).**
- Power supply (motorized models): 230V 1ph 50Hz 750W
- Dimensions: 850x600x1500 mm approx.
- **Weight: 1800...1900 kg**

CYBER-PLUS OR **SERVO-PLUS EVOLUTION**
DIGITAL TOUCH SCREEN DISPLAY

IT TECH

Cyber and Servo-Plus models have robust and reliable electronic controller, 7" touch screen color display. 2 USB ports, 1 SD port, 8 channels for pressure transducers (force measurement) or displacement transducers (Elastic Modulus and Poisson ratio measurement).

INVERTER NEW

For a further improvement of energy efficiency and silent operation, (optional device code C099N). Technical details, p. 223

BARCODE

Scanner for specimen file/identification, (optional device code C099-01). Details, p. 223 NEW

C088-11N + C121-04 + C121-51 + C086-10

C088-10N + C127N + C121-04 - C181-51 + C086-10

COMPRESSION 4000 kN capacity		LOAD MEASURIG SYSTEM	
MODEL	Motorized	Cyber-Plus Evolution mod. C109N (p. 224)	Servo-Plus Evolution mod. C104N (p. 224)
C088-10N	▼	▼	
C088-11N ✱	▼		▼

✱ Servo-Plus model feature fully automatic power pack - electrovalve operated test start (no manual lever).

ACCESSORIES FOR 4000 kN MACHINES

C111-32 DISTANCE PIECE, 20 mm high for cylinders Ø 150x300 mm

C111-12 DISTANCE PIECE, 73+50 mm high for cubes 200 mm side

C111-13 DISTANCE PIECES, 73+50+50 mm high for cubes 200 and 150 mm side

C111-14 DISTANCE PIECES, 73+50+50+50 mm high for cubes 200, 150 and 100 mm side

C111-15 DISTANCE PIECES, 50+50 mm high for cylinders Ø 110x220 mm

C111-24 DISTANCE PIECE 50 mm high

C111-25 DISTANCE PIECE 73 mm high

C110-15 LOWER COMPRESSION PLATEN, Ø 216x40 mm, hardened and rectified to test cubes 100 and 150 mm, as an alternative to the standard platen Ø 278 mm
Technical details: see p. 319

Note: Vertical daylight of the compression platens is 530 mm. The operator will have to buy the needed distance pieces to reduce the daylight between the compression platens to get the correct daylight of the specimen under test plus approx. 10 to 15 mm

C112-11 UPPER+LOWER LARGE COMPRESSION PLATENS 320x510x55 mm to test **also** blocks. It is necessary to have also the sliding rail carriage mod. C117

C117 SLIDING RAIL CARRIAGE, for an easy removal of the large block upper platen

C127N GRAPHIC PRINTER on thermo-paper on board

C127-11 THERMO-PAPER roll for printer (pack of 10 rolls)

C104-10N SERVO-STRAIN
Servocontrolled Software, system of:
- Load or Strength
- Displacement
- Strain

This system can be used only with Servo-Plus Evolution machine mod. C088-11N. Technical details see p. 282

C125N ELASTIC MODULUS determination of the secant compression on concrete. Automatic system with pace rate control also when releasing the load, applicable only to high stability frames with Servo-Plus Evolution.
EN 12390-13, 13412, 13286-43, UNI 6556, ASTM C469, ISO 6784, DIN 1048, BS 1888:121
Technical details: see p. 284

C121-02 SAFETY GUARDS, polycarbonate, with hinges and lock, to CE Directive.

C121-51 STOP SWITCH on safety guard. See p. 317

C115-01 TWO WAY HYDRAULIC VALVE, connected to the motorized pumping unit of the machine to activate a second frame.
Technical details: see p. 318

C097-05 CLASS 1, starting from 1% of the full range. With a special calibration procedure it is possible to grant Class 1 practically on the full range of the compression machine.

C115-01

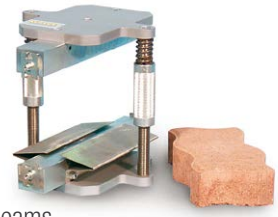
C097-01 DUAL LOW CAPACITY DIGITAL RANGE, complete with **appropriate pressure transducer**. Recommended range 0-250kN. Technical details: see p. 313

C097-01

C097-08 OFFICIAL ACCREDIA (Equivalent UKAS, ENAC, DAKKS, SAS, COFRAC etc.) HARDNESS CERTIFICATE of upper and lower compression platens. Minimum hardness: 55 HRC. See p. 313

C107-01 AUTO-CENTERING DEVICE for cubes 100 and 150 mm side, and cylinders Ø 100 and 150 mm.
Technical details: see p. 316

C103
SPLITTING TENSILE test device for self blocking pavers and cubes.
EN 1338, 12390-6.
Technical details: see p. 314


C103

C106
FLEXURAL TEST DEVICE for concrete beams.
EN 12390-5 I ASTM C78, C293 I AASHTO T97
Technical details: see p. 315

C106

E170
COMPRESSION DEVICE to test cement specimens 40.1x40 mm
EN 196 I ASTM C349
Technical details and other models: see p. 315

C099N NEW
INVERTER DEVICE
Applicable only on Cyber-Plus and Servo-Plus Evolution machines.
Technical details: see p. 223

C099N

SOFTWARE for DIGITEC / AUTOTEC or CYBER / SERVO PLUS models	
C109-10 (N)*	SOFTWARE for compression tests
C123 (N)*	SOFTWARE **Servonet** for remote control through PC
C109-11 (N)*	SOFTWARE for flexural tests
C109-12 (N)*	SOFTWARE for splitting tensile

Technical detail: see p. 18
(N)* for Cyber - Servo Plus models.