COMPRESSION TESTING MACHINE TESTED FOR HIGH STABILITY HIGH-END MODELS

TO TEST CUBES UP TO 200 MM SIDE AND CYLINDERS UP TO Ø 160X320 MM

STANDARDS: EN 12390-4 | BS 1881:115 | DIN 51220 | ASTM C39 | NF P18-411 | AASHTO T22 | GOST 10180-2012

2000 KN CAPACITY

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

IT TECH

Cyber and Servo-Plus models have robust and reliable electronic controller, 5.7" 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 For a further improvement of energy efficiency and silent operation, (optional device code C099N). Technical details, p. 223 NEW

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

C089-02N+C111-13

C089-04N+C104-04+C127N+C121-06+C111-13

COMPRESSION 2000 kN High Stability		LOAD MEASURIG SYSTEM	
MODEL	Motorized	Cyber-Plus Evolution mod. C109N (p. 224)	Servo-Plus Evolution mod. C104N (p. 224)
C089-02N	▼	▼	
C089-04N *	▼		▼

* Servo-Plus/Autotec models feature fully automatic power pack - electrovalve operated test start (no manual lever).

ACCESSORIES FOR 2000 kN MACHINES FROM MOD. C089 TO C089-04N

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

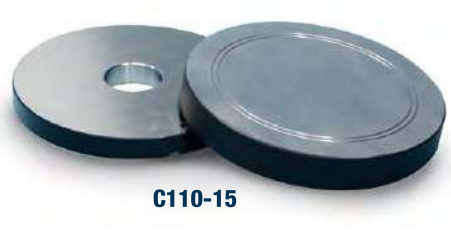
C111-14 DISTANCE PIECES, 73+50+50+50 mm high for cubes 200, 150 and 100 mm side

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



C110-15

Note: the cylinders Ø 160x320 mm do not require any distance piece.

C127N GRAPHIC PRINTER on thermo-paper on board for digital models

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

C121-06 SAFETY GUARDS, polycarbonate, with hinges and lock, to CE Directive. See p. 317

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

C107-10 CAPPING RETAINERS (set of two) for cylinders Ø 150 mm and 6". Other models: see p. 316

C107-20 NEOPRENE PADS (set of two) for cylinders Ø 150 mm 60 shore A. Other models: see p. 316

C107-10 + C107-20

C110-30 UPPER COMPRESSION PLATEN+SPHERICAL SEAT, to fix on the testing machine, in replacement of the standard platen + seat to obtain an increased vertical clearance of the testing chamber and to meet the ASTM C39, C1231 and AASHTO T22, T851
Platen dimensions: Ø 165x30 mm
Weight: 10 kg approx.
Technical details: see p. 316

C110-30

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

C115-01

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

C097-01

C097-05 CALIBRATION 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. Applicable only on digital machines.

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

C107-01

C100 SPLITTING TENSILE test device for cylinders.
EN 12390-6 I ASTM C496
Technical details and other models: see p. 314

C100

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

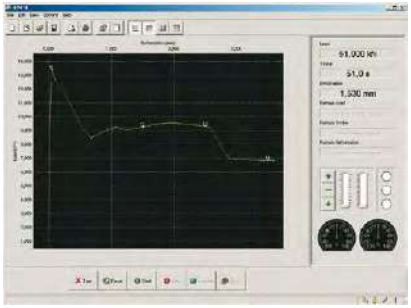
C106

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

E170

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. C089-04N. Technical details see p. 282



C104-10N

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

C126 BENCH to hold the compression machine. See p. 317

C104-04 CONSOLE HOUSING THE SERVO-PLUS EVOLUTION
The pump assembly **lined** with sound proofing material for noise reduction and the digital system are encased to enhance the design and look of the machine.
Technical details: see p. 314

C089-04N **C104-04**

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

C099N

C104-06

C104-06 CONSOLE HOUSING THE CYBER-PLUS EVOLUTION
NEW
New console internally lined with sound proofing material, to reduce noise and allow for the inverter integration. Detail: see p. 223

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.