

COMPRESSION/FLEXURAL TESTING MACHINES WITH DUAL MEASURING RANGE

FOR CEMENT AND MORTAR SPECIMENS, BRICKS, ROCKS, REFRACTORIES etc.

STANDARDS: EN 196-1 / EN ISO 679 / ASTM C109, C348, C349
NF P18-411, P15-451 / UNE 80101 / DIN 1164
BS 3892, 4550, 4551

These testing machines foresee a dual measuring range in the same testing chamber. The two ranges can be used alternatively and are suitable to perform:

- Flexural tests on cement prisms 40,1x40x160 mm (selecting the low capacity range)
- Compression tests on portions of prism 40,1x40x160 mm broken in flexure, cubes side 40, 50, 70, 100 mm 2", cores with max. height of 180 mm (selecting the nominal range)

by using the suitable compression devices described in next pages (accessories E170 - E172-01)

The machines with digital readout are equipped with "two suitable pressure transducers" granting the Class 1 from 1/10 on both the measuring ranges.

The measuring range 0 - 15kN can be also used for compression tests on specimens with expected low strength values.

- Two columns high stiffness frame.
- Max. vertical daylight between platens: 185 mm
- Platens diameter: 153 mm
- Ram travel: 45 mm approx.
- Accuracy: Grade 1 starting from 1/10 of the scale for both the ranges.
- Two gauges dia. 200 mm:
range 0-300kN, subdiv. 2,5kN
range 0 - 50kN, subdiv. 0,5kN
- Supplied complete with lower compression platen and coupling piece to easily fix the compression devices.
- Power supply (motorized models):
230V 1ph 50Hz 750W
- Weight: 310 - 340 kg



E161-01A + C127N + E172-01



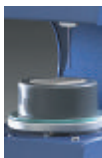
E160D + C127N + E170



E156 + E170

COMPRESSION / FLEXURAL

Model	Dual range kN	Manual	Motorized	Gauges	LOAD MEASURING SYSTEM	
					Digitec mod. C108N (pag. 127)	Autotec mod. C098N (pag. 127)
E152	300/50	•		•		
E156	300/50		•	•		
E160 D	500/15		•		•	
E160-01 D	250/15		•		•	
E161-01 A	250/15		•			•
E161-03 A	500/15		•			•



ACCESSORIES FOR FLEXURE / COMPRESSION:

E172-01

FLEXURE DEVICE for 40,1x40x160 mm mortar specimens.
EN 196-1, EN/ISO 679 See pag. 322

E170

COMPRESSION DEVICE for portions of prism 40,1x 40x160 mm broken in flexure. EN 196, EN/ISO 679, ASTM C349. See pag. 322



E170



E172-01

E171

COMPRESSION DEVICE for cubes 50 mm and 2" side. ASTM C109. See pag. 322

E171-01

COMPRESSION DEVICE for cubes 70,7 mm side. BS 4550. See pag. 322



E171-01



E171

E172-02

FLEXURE DEVICE for 40x40x160 mm mortar specimens. ASTM C348. See pag. 322

E161-05 DISTANCE PIECE, 50 mm high

E161-06 DISTANCE PIECE, 25 mm high

Note: the compression devices do not require any distance piece.

C127N GRAPHIC PRINTER on thermo-paper on board for Cybertronic and Servotronic models

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

E161-12 SAFETY GUARDS, polycarbonate made, to CE Safety Directive, complete with hinges and lock

C121-51 STOP SWITCH on safety guards. See pag. 214

C097-05

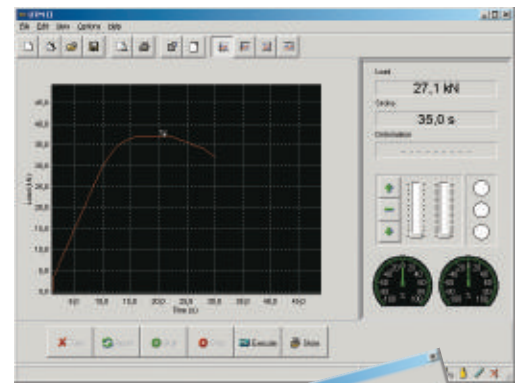
CLASS 1, starting from 1% of the full range. With a special calibration procedure it is possible to grant Class 1 practically on the full range of the compression machine. Applicable only on digital machines.

E163

SOFTWARE for compression tests. Developed for the managing and the remote control from a PC. To be used with Digitec models. See pag. 14

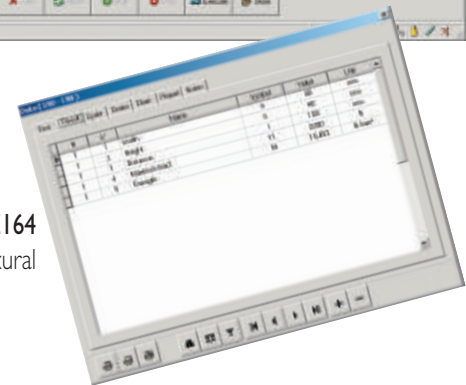
E164

SOFTWARE for flexural tests. Developed for the managing and the remote control from a PC. To be used with Digitec models. See pag. 14



E163

Software compression

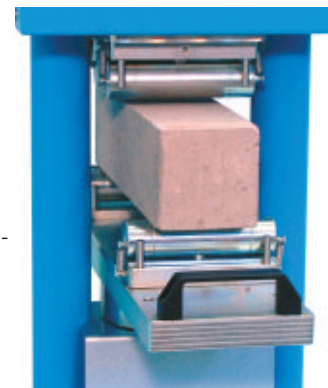


E164

Software flexural

C123

SOFTWARE "Servonet" for compression and flexural tests. Developed for the fully automatic managing and remote control from a PC. To be used with Autotec models. See pag. 14



C106-10

C106-10

FLEXURAL DEVICE FOR CONCRETE BEAMS 100x100x400 mm and 150x150x600 mm

H009-01

PERSONAL COMPUTER, LCD 17" monitor, keyboard, mouse, cables. The supply of the PC includes the installation of the software.

E161-11 BENCH, to hold the compression frame.

E161-11

