

COMPRESSION/FLEXURAL TESTING MACHINES WITH DUAL MEASURING RANGE

TO TEST CEMENT AND MORTAR SPECIMENS, BRICKS, ROCKS, REFRACTORIES ETC.

STANDARDS: EN 196-1, EN 13286-41, EN 933-5, EN 1015-11, EN 13892-2 | ISO 679 | ASTM C109, C348, C349, C1194 | DIN 1164
BS 4550 | GOST 26798-1 | EN ISO 13503-2 | API RP 19C

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).

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

Equipped with an electric microswitch to stop the piston after the specimen breakage, in order to avoid damages to the compression or flexure device.

MAIN FEATURES FOR ALL MODELS

- Two columns high stiffness frame.
- Max. vertical daylight between platens: 185 mm
- Horizontal daylight between columns: 175 mm
- Platens diameter: 153 mm
- Ram travel: 45 mm approx.
- Two pressure transducers granting the Class 1 starting from 10% of the scale for both the ranges.
- 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



E160D + E170



E161-01A + E172-01

COMPRESSION | FLEXURAL

LOAD MEASURING SYSTEM

MODEL	Dual range kN	Manual	Motorized	Gauge	Digitec mod. C108N (p. 212)	Autotec mod. C098N (p. 212)
E152	300/50	▼		▼		
E156	300/50		▼	▼		
E160D	500/15		▼		▼	
E160-01D	250/15		▼		▼	
E161-01A *	250/15		▼			▼
E161-03A *	500/15		▼			▼

Accessories at page 388-389

COMPRESSION/FLEXURAL TESTING MACHINES WITH DUAL MEASURING RANGE

TO TEST CEMENT AND MORTAR SPECIMENS, BRICKS, ROCKS, REFRACTORIES PROPPANTS ETC.

STANDARDS: EN 196-1, EN 13286-41, EN 933-5, EN 1015-11, EN 13892-2 | ISO 679 | ASTM C109, C348, C349, C1194 | DIN 1164
BS 4550 | GOST 26798-1 | EN ISO 13503-2 | API RP 19C

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

Cyber-Plus Progress control unit 7" touch-screen display, up to 8 channels for pressure, load, displacement and other transducers, 2 USB and 1 ethernet ports.

itTECH

**CYBER
PLUS
PROGRESS**



E160N + E170



E161-01N + C104-04 + C127N + E172-01

COMPRESSION | FLEXURAL

LOAD MEASURING SYSTEM

MODEL	Dual range kN	Motorized	Cyber-Plus Progress mod. C109M (p. 215)	Servo-Plus Progress mod. C104N (p. 215)
E160N	500/15	▼	▼	
E160-01N	250/15	▼	▼	
E161-01N *	250/15	▼		▼
E161-03N *	500/15	▼		▼

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

Accessories at page 388-389