

Choose the Original
Choose Success!



PROFI-LINE

Compression and Bending Testing Machine MEGA 6-3000-100

- accuracy acc. to DIN EN ISO 7500-1, EN 12390-4, class 1 - straintest execution
- for compressive strength tests acc. to EN 12390-3, EN 12504-2
- for bending strength tests acc. to EN 12390-5, EN 1339, EN 1341
- with accessories / options also for kerb stone tests acc. to EN 1338, EN 1340, EN 1343 as well as compressive strength tests on cement and mortar acc. to EN 196 / EN 1015
- separate drive station AS C 40 N-2, automatic load increase via digital controller **DIGIMAXX® C-40** in closed loop system with value comparison

Technical Data – Compression Test

- test load max.: 3000 kN
- piston stroke: 100 mm
- upper pressure plate: Ø 320 mm
- lower pressure plate: Ø 300 mm
- hardness of pressure plates: 53 HRC
- test area height: 340 mm
- inner width of test frame: 355 x 255 mm
- measuring range: 60,00 ... 3000 kN
- display area: 0 ... 3000 kN
- force measurement via electronic liquid pressure transducer

Technical Data – Bending Test

- test load max.: 100 kN
- piston stroke: 220 mm
- test area height: 220 mm
- length of bending roller: 510 mm
- bending roller: Ø 40 mm
- bending roller distance: 80 ... 900 mm
- measuring range: 1.00 ... 100 kN
- display area: 0 ... 100 kN
- force measurement via an electronic load cell insensitive to shear forces
- voltage: 3x 400 Volt, 50 Hz, 1.5 kW
- weight : approx. 2310 kg



Technical Data – Digital Controller

- capacitive and robust 7" touch display
- PID-controller with DSP processor
- modular system with expansion options up to 8 control and measuring channels – 18 Bit
- measuring- and control cycle 2 kHz
- transmission of measured value up to 1 kHz
- freely programmable test sequences
- real-time display of the measuring channels as well as of the specimen strengths and test speed
- authorization model with different role and access authorizations (tester, laboratory manager, service technician, administrator)
- automatic and manually zero-adjustment
- adjustable break detection
- adjustable piston back-travel time
- specimen storage for test results
- 6 digital inputs galvanically isolated
- 9 potential-free relay outputs
- USB port for data export
- Ethernet connection for communication with PC software

OPTIONS:

- larger (higher) test area
- larger pressure plates
 dimensions 320 x 320 x 75 mm
 dimensions 320 x 420 x 75 mm
 dimensions 320 x 520 x 75 mm
- A** insert for 4-point loading
- compression die for curbstones
- B** set of pressure plates with floating axle
- C** compression device DV 600 AZ
 (only applicable in connection with set of pressure plates)
- D** bending device BV 10 OM
 (only applicable in connection with set of pressure plates)
- test software **PROTEUS^{MT}**
- electronic piston stroke measuring and control equipment

Available with following test loads:

- for compression test:
2000, 3000, 4000 kN
- for bending test:
100, 200, 300 kN



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