

Compression- and Bending testing machine MEGA 7-3000-200



- accuracy acc. to DIN EN ISO 7500-1, EN 12390-4, class 1 - straintest execution
- for compression strength tests on concrete cubes and –cylinders specially acc. to EN 12390-3, EN 206
- for bending tests on concrete beams specially acc. to EN 12390-5
- with accessories / options also for curb stone tests EN 1340
- compression strengths on cement and mortar acc. to EN 196 / EN 1015
- Integrated drive station for semi automatic load increase through fine regulation valve in connection with digital display DIGIMESS® M-10 with actual value indication of load increase in N/mm²/sec or kN/sec



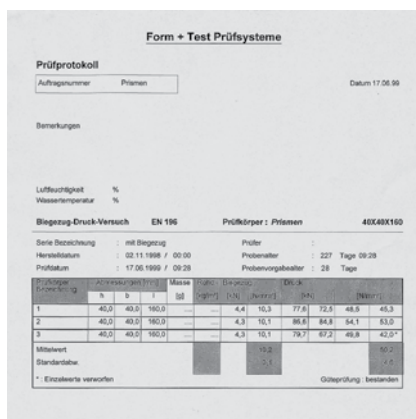
special construction with bending test for prisms (cement/mortar)

Technical dates – compression test 4 column testing frame

- test load max.: 3000 kN
- piston stroke: 50 mm
- upper compression plate: Ø 300 mm
- lower compression plate: Ø 300 mm
- hardness of compression plates: 53 HRC
- test chamber height: 330 mm
- measuring range: 120.00 ... 3000 kN
- display range: 0 ... 3000 kN
- load measuring via electronical precision liquid pressure transducer

Technical dates – bending test 2 column testing frame

- test load max.: 200 kN
- piston stroke: 80 mm
- test chamber height: 165 mm
- bending roller length: 210 mm
- bending roller Ø: 40 mm
- bending roller distance: 80 ... 600 mm
- measuring range: 8.00 ... 200 kN
- display range: 0 ... 200 kN
- load measuring via electronical precision liquid pressure transducer
- voltage: 230 Volt, 50 Hz, 1.5 kW
- weight: approx. 1150 kg



Technical data - digital display DIGIMESS[®] M-10

- LCD-screen-display, 5 numbers
- 16 Bit – processor technology
- 2 measuring ranges (compression and bending)
- resolution 60,000 digits
- automatic zero point correction
- programmable calculation of the strength of 30 different specimens
- display of strength in N/mm² or Mpa
- adjustable display in kN, N, kg, kp, to or bar
- peak value memory and reset key
- code protected calibration / linearization
- serial interface RS 232 or USB

Options:

- bigger compression plates dimensions 210 x 420 x 40 mm
- extension – bending table bending roller distance: 80 ... 900 mm
- widening – bending test frame for bending roller lengths of 510 mm
- Ⓐ insert for 4-point load
- pressure stamp for curbstones
- Ⓑ set compression plates with pendulum axle
- Ⓒ compression device DV 600 AZ only useable in connection with set compression plates
- Ⓓ building material test software PROTEUS
- built in printer

Available with following test loads:

- for compression test: 2000 and 3000 kN
- for bending test: 100 and 200 kN



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