



Refractory products

Compression- and bending testing machine MEGA 10-1000-50 DM1-S

- Accuracy acc. to DIN EN ISO 7500-1, class 1
- For the cold compression strength on specimens especially acc. to EN 993-5, EN 1402-6, EN 1094-5, ISO 8895, ISO 10059-1, ISO 10059-2
- For the cold bending strength on specimens especially acc. to EN 993-6, EN 1402-6
- With accessories / options also for E-modulus measurements as well as compression strengths on cement acc. to EN 196
- Automatic load increase through control via digital controller DIGIMAXX® C-20 with servo valve in closed loop system with permanent comparison of nominal value and actual value

Technical dates – compression test

- Test load max.: 1000 kN
- Piston stroke: 50 mm
- Upper compression plate: Ø 210 mm
- Lower compression plate: 210 x 210 mm
- Hardness of compression plates: 53HRC
- Test chamber height: 320 / 270 mm
- Clear distance of testing frame: 275 mm
- Measuring range: 20.00 ... 1000 kN
- Display range: 0 ... 1000 kN
- Load measuring via electronical precision liquid pressure transducer

Technical dates – bending test

- Test load max.: 50 kN
- Piston stroke: 70 mm
- Test chamber height: 120 mm
- Bending roller length: 120 mm
- Bending roller distance: 30 ... 250 mm
- Bending roller: Ø 30 mm
- Measuring range: 1.00 ... 50 kN
- Display range: 0 ... 50 kN
- Load measuring via shear force wear-resistant electronic precision load cell
- Voltage: 3x 400 Volt, 50 Hz, 1,5 kW
- Weight: approx. 1150 kg



Technical dates – digital display

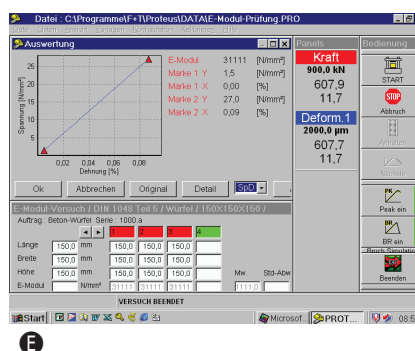
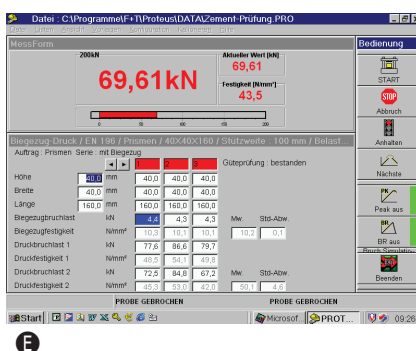
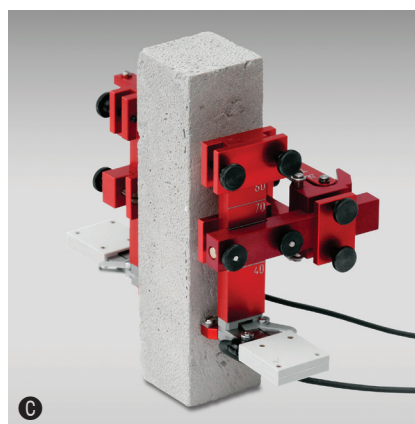
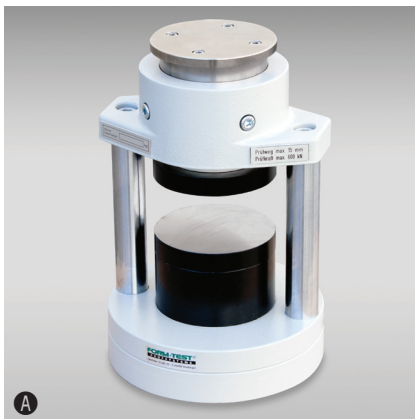
- LCD-screen-display, 5 numbers
- Resolution 60.000 digits
- Automatic zero point correction
- Programmable calculation of the strength of 30 different specimens as well as the corresponding standard speeds
- Display of strength in N/mm² or Mpa
- Adjustable display in kN, N, kg, kp, to or bar
- Peak value memory and reset key
- Code protected calibration / linearization
- Serial interface RS 232 to recall the peak value

OPTIONS:

- **A** Compression device DV 600 with compression plates Ø 60 mm
- **B** Compression device DV 600 AZ with compression plates 40 x 40 mm
- **C** Set compression plates with pendulum axle for bending test unit
- **D** E-modulus measuring equipment
- **E** Building material test software PROTEUS
- Transfersoftware WinTrans
- Electronic displacement measuring and control equipment
- Simulations control for compression- and bending test at same time
- Oil-water cooler

Available with following test loads:

- for compression test:
500, 600, 1000 and 1200 kN
- for bending test:
20, 30 and 50 kN



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