Choose the Original
Choose Success!

FORM+TEST PRÜFSYSTEME

Bending Testing Machine DELTA 3-30 DM1-S

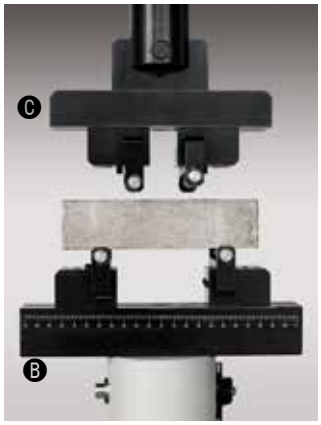
- **accuracy acc. to DIN EN ISO 7500-1, class 1**
- **for bending tests on specimens made of cement, mortar, screed, building plaster especially acc. to EN 196, EN 1015-11, ASTM C348, EN 12808-3, EN 13813, EN 13892-3, EN 13279-2, EN 13454-2**
- **with accessories / options also for compression tests**
- **on compact base or with separate drive station AS-C40-N**
- **automatic load increase by digital controller *DIGIMAXX® C40* with servo valve in closed loop system with nominal-actual value comparsion**

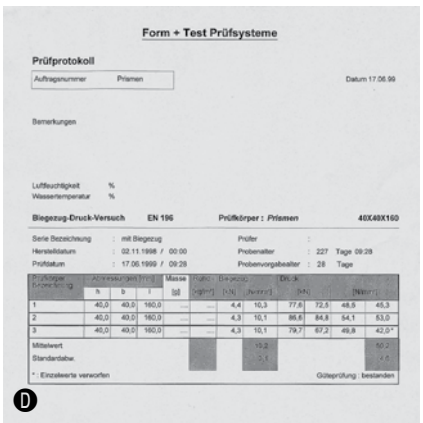
Technical Data – Testing Machine

- 2-column test frame
- single acting test cylinder
- test load max.: 30 kN
- working pressure max.: 238 bar
- piston stroke: 50 mm
- test chamber height: 50 mm
- bending roller length: 50 mm
- bending roller: Ø 10 mm
- lower bending roller distance: fix 100 mm
- measuring range: 0.60 ... 30 kN
- display range: 0 ... 30 kN
- force measurement via an electronic load cell insensitive to shear forces
- voltage: 3x 400 Volt, 50 Hz, 1.5 kW
- weight: approx. 150 kg

made in Germany

VDMA





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:

Ⓐ set compression plates with pendulum axle for bending equipment, dimensions 40 x 40 mm

Ⓑ extended bending table
bending roller distance 30 ... 250 mm or
bending roller distance 30 ... 500 mm

Ⓒ 4-point loading

Ⓓ test software **PROTEUS^{MT}**

- higher test chamber
- extended piston stroke
- elektronic displacement measuring and control equipment
- deflection measuring equipment

Available with following test loads:

- for compression test: 10, 20 and 30 kN

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