Choose the Original
Choose Success!

FORM+TEST
PRÜFSYSTEME

BASIC-LINE

Hardened concrete test EN12390-3

Compression Testing Machine BETA 5-3000 AD

- **accuracy acc. to DIN EN ISO 7500-1 class 1, EN 12390-4:2025 class A, straintest execution**
- **for the determination of compressive strengths acc. to EN 12390-3, EN 12504-1, EN 206**
- **automatic load increase via digital controller *DIGIMAXX*® *C-44* bypass-control for constant load increase controllable as ramp function between 0.1–50 kN/s**

Technical Data

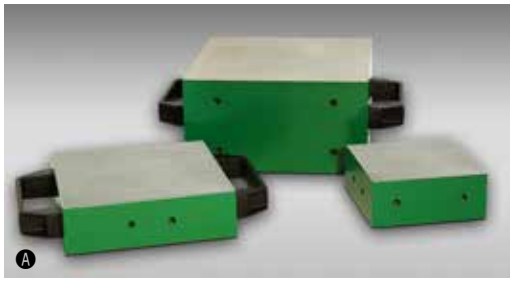
- test load max.: 3000 kN
- measuring range: 120 ... 3000 kN
- display area: 0 ... 3000 kN
- test area height: 330 mm
- piston stroke: 50 mm
- upper pressure plate: Ø 300 mm
- lower pressure plate: 210 x 210 mm
- working height: 820 mm
- thickness of pressure plates: 40 mm
- hardness of pressure plates: 53 - 55 HRC
- inner width of test frame
  from left to right (width): 230 mm
  front to back (depth): 175 mm

- compact design
- with machine base for hydraulics and electronics
- lateral housing for display and controller
- electric multi-piston hydraulic pump mounted in the oil tank
- pressure control valve
- liquid pressure transducer (DMS)

- dimensions: 1150 x 605 x 1495 mm
- weight approx: 930 kg
- voltage: 230 Volt, 50 Hz, 1.5 kW

made in Germany

VDMA



Technical Data - Digital Controller

- capacitive and robust 7“ touch display
- PID-controller with DSP processor
- 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 authorzations (tester, laboratory manager, service technician, administrator)
- automatic and manually zero-adjustment
- adjustable break detection
- adjustable piston back-travel time
- specimen storage for test results
- USB port for data export
- Ethernet connection for communication with PC software

Accessories and Options:

Ⓐ auxiliary platen hardened, face-ground to place on the pressure plate
dimensions + weight:
210 x 210 x 110 mm, 38 kg
170 x 170 x 50 mm, 12 kg
120 x 120 x 50 mm, 5.65 kg

Ⓑ spacing blocks, unhardened, face-ground, to place between pressure platen and piston, fixing by a dowel pin
dimensions + weight:
Ø 227 x 100 mm, 32 kg
Ø 227 x 50 mm, 16 kg

Ⓒ centering device for auxiliary platen

Ⓓ compression device DV 1000 for drill cores

Ⓔ test software **PROTEUS**[MT]

FORM+TEST Seidner & Co. GmbH
Zwiefalter Str. 20 • D-88499 Riedlingen
☎ +49 (0) 7371 9302-20 • 🖷 -99
www.formtest.de
sales@formtest.de

PM 5030.06 • BETA 5-3000 AD.indd • 07/2026 • Technical modifications reserved!