Choose the Original
Choose Success!

FORM+TEST PRÜFSYSTEME

BASIC-LINE

Compression Testing Machine ALPHA 3-2000 AD

- **accuracy acc. to DIN EN ISO 7500-1, class 1**
- **execution acc. to EN 12390-4 (strain-test execution)**
- **for the determination of compressive strengths acc. to EN 12390-3, EN 12504-1 and EN 206**
- **automatic load increase via digital controller *DIGIMAXX® C44* bypass-control for constant load increase controllable as function between 0.1 - 50 kN/s**

Technical Data

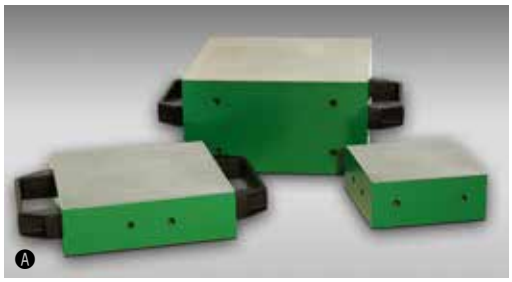
- test load max.: 2,000 kN
- working pressure: 407 bar
- piston stroke: 100 mm
- upper pressure plate: Ø 320 mm
- lower pressure plate: Ø 300 mm
- hardness of pressure plates: 53-55 HRC
- thickness of pressure plate: 75 mm
- test area height: 340 mm
- working height: 920 mm
- inner width of test frame:
  from left to right (width): 355 mm
  front to back (depth): 255 mm
- measuring range: 40 ... 2,000 kN
- display area: 0 ... 2,000 kN
- stiffness: 3650 kN/mm

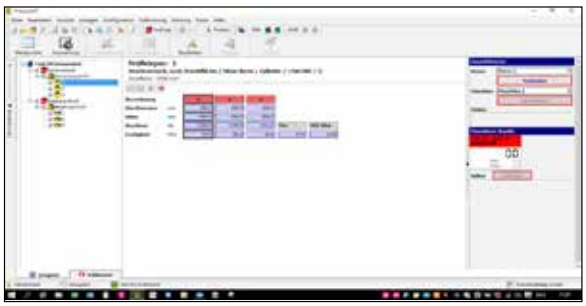
- compact design
- with machine base for hydraulics and electronics
- lateral housing for display and controller
- electric multi-piston hydraulic pump mounted in the oil tank
- pressure control valve
- liquid pressure transducer (DMS)

- electric supply:
  230 V, 50 Hz, 1.5 kW
- dimensions approx.
  (width x depth x height):
  1,360 x 580 x 1,600 mm
- weight: approx. 1,780 kg

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 / Options:

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

Ⓑ spacing blocks, unhardened, face-ground, to place between pressure platen and piston, fixing by a dowel pin
dimensions + weight:
Ø 300 x 60 mm - 33 kgs
Ø 300 x 50 mm - 27 kgs

Ⓒ centering device for pressure plates and auxiliary platen

- larger pressure plates
dimensions:
320 x 320 x 75 mm
320 x 420 x 75 mm
320 x 520 x 75 mm

Ⓓ test software **PROTEUS^{MT}**

- transfer software

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