

Choose the Original
Choose Success!



Building Stones - EN 772 Compression Testing Machine

ALPHA 3-2000 AD-Z

- accuracy acc. to
DIN EN ISO 7500-1, class 1
- for compressive strength tests on
building stones especially acc. to
EN 772, on bricks, sand-lime bricks,
aerated concrete especially acc. to
EN 772-1
- automatic load increase via digital
controller **DIGIMAXX® 644**
bypass-control for constant load
increase controllable as ramp
function between 0.1 - 50 kN/s

Technical Data

- test load max.: 2,000 kN
- piston stroke: 200 mm
- upper pressure plate: 320 x 520 mm
- lower pressure plate: 320 x 520 mm
- hardness of pressure plates: 53 HRC
- thickness of pressure plates: 75 mm
- test area height: 270 / 340 mm
- inner width of test frame:
from left to right (width): 355 mm
front to back (depth): 255 mm
- measuring range: 80 ... 2,000 kN
- display area: 0 ... 2,000 kN

- 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 870 x 1,780 mm
- weight: approx. 2,200 kg



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 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
- USB port for data export
- Ethernet connection for communication with PC software



Options - Test Frame:

- chrome-plated columns
- Ⓐ reinforcement for brick testing
- lower pressure plate screwed
- Ⓑ extendable lower pressure plate



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Options - Drive Station:

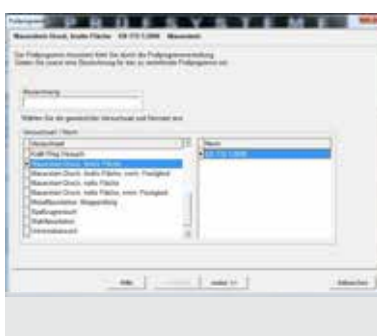
- fast-stroking equipment
- Ⓒ test software **PROTEUS^{MT}**
- Ⓓ software test module EN 772-1



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