

## ECONOMY-LINE

Building Stones - EN 772

### Compression Testing Machine ALPHA 4-3000-2

- accuracy acc. to  
DIN EN ISO 7500-1, class 1
- execution acc. to EN 12390-4  
(straintest execution)
- for the compression strength tests  
on bricks and – blocks acc. to  
EN 772  
bricks, lime sandstone, AAC/ACC/  
ALC cellular concrete specially acc.  
to EN 772-1  
also suitable for concrete-compres-  
sion strength
- separate drive station AS-C40-N  
resp. AS-C40-N-PC for automatical  
load increase by digital controller  
**DIGIMAXX® G-40** with servo  
valve in closed loop system with  
permanent nominal-actual value  
comparison

or

- separate drive station AS-M10-N  
for semi-automatic load increase  
via digital controller **DIGIMESS®**  
**M-10** with fine-flow control valve  
with permanent actual value display  
of force and speed

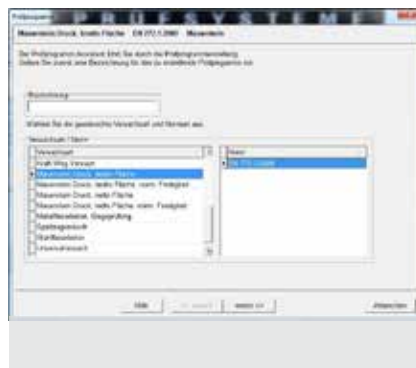
#### Technical Data - Compression Test

- test load max.: 3000 kN
- piston stroke: 100 mm
- upper pressure plate: 380 x 520 mm
- lower pressure plate: 380 x 520 mm
- hardness of pressure plates: 53 HRC
- test area height: 340 / 270 mm
- inner width of test frame between the  
columns:  
from left to right (width): 450 mm  
front to back (depth): 340 mm
- working height: 920 mm
- measuring range: 60.00 ... 3000 kN
- display area: 0 ... 3000 kN
- force measurement via electronic liquid  
pressure transducer
- voltage: 3 x 400 Volt, 50 Hz, 3.0 kW
- weight: approx. 2250 kg

#### Available with following test loads:

- for compression test:  
2000 kN, 3000 kN, 4000 kN and 5000 kN





### 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 - Test Frame:

- larger pressure plates  
420 x 520 x 75 mm  
380 x 620 x 75 mm
- chrome-plated columns
- Ⓐ reinforcement for brick testing
- Ⓑ extendable lower pressure plate
- Ⓑ extendable auxiliary platen

### Options - Drive Station:

- fast-stroking
- 2<sup>nd</sup> connection for further testing frame i.e. bending testing frame
- electronic piston stroke measuring and control equipment
- Ⓒ test software **PROTEUS<sup>MT</sup>**
- Ⓓ software test module EN 772-1
- transfer software



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