

ECONOMY-LINE

Building Stones - EN 772

Compression Testing Machine ALPHA 4-3000-1

- accuracy acc. to
DIN EN ISO 7500-1, class 1
- 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
- separate drive station AS-C40-N
resp. AS-C40-N-PC for automatic
load increase by digital controller
DIGIMAXX® C-40 with servo
valve in closed loop system with
permanent nominal-actual value
comparison

or

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

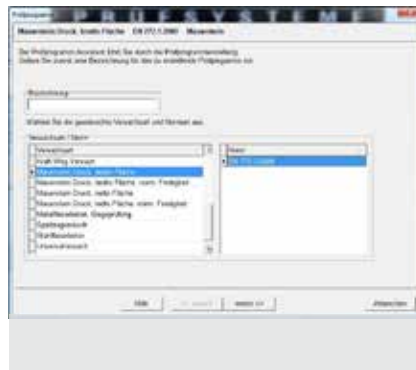
Technical Data – Compression Test

- test load max.: 3000 kN
- piston stroke: 200 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. 2340 kg

Available with following test loads:

- for compression test:
2000 kN, 3000 kN, 4000 kN und 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
420 x 620 x 75 mm
- chrome-plated columns
- Ⓐ reinforcement for brick testing
- Ⓑ extendable lower pressure plate
- Ⓑ extendable auxiliary platen

Options - Drive Station:

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



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