

ECONOMY-LINE

Bending / Flexure Testing Machine DELTA 6-300

- accuracy acc. to
DIN EN ISO 7500-1, class 1
- for bending strength tests on
material samples especially
acc. to EN 12390-5, EN 1339,
EN 1343, EN 1344
- with accessories / options also
for splitting tensile strength tests
and kerb stone tests acc. to
EN 1338, EN 1340 and for
compression tests
- separate drive station AS-C40-N
- automatic load increase by digital
controller **DIGIMAXX® C-40**
with servo valve in closed loop
system with nominal-actual value
comparison

Technical Data – Test Frame

- 3-column frame in C-construction
- double-acting test cylinder
- test load max. 300 kN
- working pressure max: 288 bar
- piston stroke: 220 mm
- test area height: 220 mm
- length of bending roller: 510 mm
- bending roller Ø: 40 mm
- lower bending rollers distance adjustable
from 80 ... 900 mm
- basic equipment with 3-point load
- measuring range: 3.00 ... 300 kN
- display area: 0 ... 300 kN
- force measurement by an electronic
precision load sensor
- voltage: 3x 400 Volt, 50 Hz, 2.2 kW
- weight approx.: 1150 kg
- available with following test loads:
60 kN, 100 kN, 200 kN and 300 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

Accessories and Options:

- **A** insert for 4-point loading
- **B** splitting tensile strength device - EN 1338
- **C** compression die for curbstones - EN 1340
- **D** set of pressure plates with floating axle (Ø 230 x 40 mm)
- **E** compression device DV 600 AZ (only applicable in connection with set of pressure plates)
- lengthened bending table (2000 or 3000 mm)
- machine base for working height = 920 mm
- electronic piston stroke measuring and control equipment
- deflection measuring equipment
- test software **PROTEUS^{MT}**



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