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## BASIC-LINE

### Bending / Flexure Testing Machine DELTA 4-100 AD

- accuracy acc. to  
DIN EN ISO 7500-1, class 1
- for flexure strength tests on  
materials acc. EN 12390-5
- with accessories / options also  
for compression tests on cement  
and mortar prisms
- automatic load increase via digital  
controller **DIGIMAXX® C44**  
bypass-control for constant load  
increase controllable as ramp  
function between 0.1 - 50 kN/s

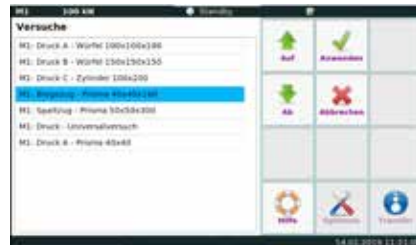
#### Technical Data – Test Frame

- with 2-column frame
- single acting test cylinder
- test load max.: 100 kN
- working pressure max.: 199 bar
- piston stroke: 80 mm
- test area height: 165 mm
- length of bending roller: 210 mm
- bending roller Ø: 40 mm
- lower bending roller distance 70 .. 600 mm
- basic equipment includes the insert for  
3-point load
- inner width of test frame: 240 mm
- measuring range: 2.00 ... 100 kN
- display area: 0 ... 100 kN
- force measurement via electronic load cell
- electric supply:  
230 V, 50 Hz, 1.5 kW
- weight: appr. 850 kg
- available with following test loads:  
60 kN, 100 kN and 200 kN



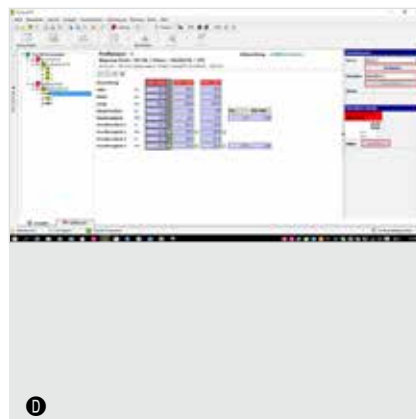
### Technical Data – Digital Controller

- 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:

- higher test area (220 mm)
- enlarged piston stroke (130 mm)
- lengthened bending table (70 ... 900 mm)
- Ⓐ insert for 4-point loading
- Ⓑ set of pressure plates Ø 230 x 40 mm with floating axle
- Ⓒ compression device DV 600 AZ (only applicable in connection with set of pressure plates)
- Ⓓ test software **PROTEUS<sup>MT</sup>**



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