



Laboratory Container Concrete Tests

complete with all equipment for:

- **Fresh Concrete**
consistency – density – air content
- **Hardened Concrete**
specimens production and storing
- **Compression Strength**
- **Aggregates**
sieve line – moisture content

Scope of Delivery:
all mounted and installed

Laboratory Furniture
made of stainless steel

F50150 – with integrated
flow table, cone with
magnetic holder
manuel – hand operated

alternative

F51150 – with integrated
flow table, cone with
magnetic holder
automatic version electrically operated
elevating device with counter

F52090 – with integrated
high-frequency vibrating table
(9000 U/min)

F52061 – with integrated
electronic balance
capacity: 35 kg
resolution: 1 g

F21120 – with 2 drawers
fix depositing board

F55150 – with water basin of
stainless steel, cold and warm water
armatures, basin 400 x 500 x 250 mm
mud storage tank of PVC on rolls

B21015 – wet storing
water basin, floor grid and thermostatic
heating unit

B2207 – dry storing
storing stand for concrete specimens
5 grating fix welded, very solid execution



Compression Testing Machine BETA 5-3000 AD

- accuracy acc. to DIN EN ISO 7500-1, class 1
- EN 12390-4 – straintest execution
- for specimen cylinders and cubes
- automatic load increase via digital controller **DIGI-MAXX® C44**
- force measuring by electronic pressure transducer (DMS)
- measuring range: 60 ... 3000 kN
- piston stroke: 50 mm
- pressure plates:
upper Ø 300 mm
lower 210 x 210 mm
- with auxiliary platen

OPTIONS

- test software **PROTEUS^{MT}**
- interfaces to various laboratory programmes:
 - LaStrada - Dr. Jung&Partner
 - Beton und Computer - For.UM IT (Jouaux)
 - COBET
 - CMS-Labor - SIMMA
 - dorner-lab - DORNER
 - s-lab - SAUTER



Laboratory Sieve Shaker

with machine cover and quick clamping device

Stainless Steel Sieves

Ø 300 – height 60 mm
MW: 0.063-0.125-0.25-0.5-1.0-2.0
LW: 4.0-5.6-8.0-11.2-16.0-31.5-63.0
with pan

Electro Drying Oven

temperature range +20...+300°C
stainless steel interior
volume: 108 ltr.
with quiet air turbine

Cube Moulds (12 pieces)

150 x 150 mm - solid steel version

Adapterbox (3 pieces)

Air Entrainment Meter, 8 ltr.

Filling-Ring

Transport / Storage Case

Piercing Thermometer

(5 pieces)

Hand Shovel (5 pieces)

Electronic

Thermo-Hygraph





Laboratory Container

Framework ISO standard, steel frame, twice stackable with anticorrosion protective coat painted

Floor chipboard – waterproofed
loading capacity 2500 N/m²
selective loading capacity
15.000 N/m² for testing machine

Floor Covering
PVC, grey, laid in full length and welded

Roof
galvanized profiled sheet metal
integrated rain gutter
roof load 1000 N/m²

Walls
galvanized profiled sheet metal

Internal Walls
chipboard 10 mm – white
two sides laminated
according DIN 68765

Door steel outer door, lockable

Window – vertical swing-out

Plastic Sliding Shutter
with anti-burglary protection

Light
2 surface mounted ceiling luminaire

Insulation

Roof:
mineral wool 80 mm WLG 040,
0.44 W/m²K

Walls:
mineral wool 80 mm WLG 040,
0.44 W/m²K

Floor:
mineral wool 100mm WLG 040,
0.40 W/m²K

Heating
electrical wall-mounted convector
2000 Watt

Water Connection / Supply 1/2"
Water Outlet

Electric Wiring
2 x CEE – external busbar
400 Volt – 50 Hz, 32 Amp.
fuse panel
switchboard
Schuko sockets
light switch





Dimensions (appr.)

length: 6058 mm
width: 2438 mm
height: 2830 mm
height - headroom: 2500 mm

floor area: 15 m²

weight appr.: 6000 kg

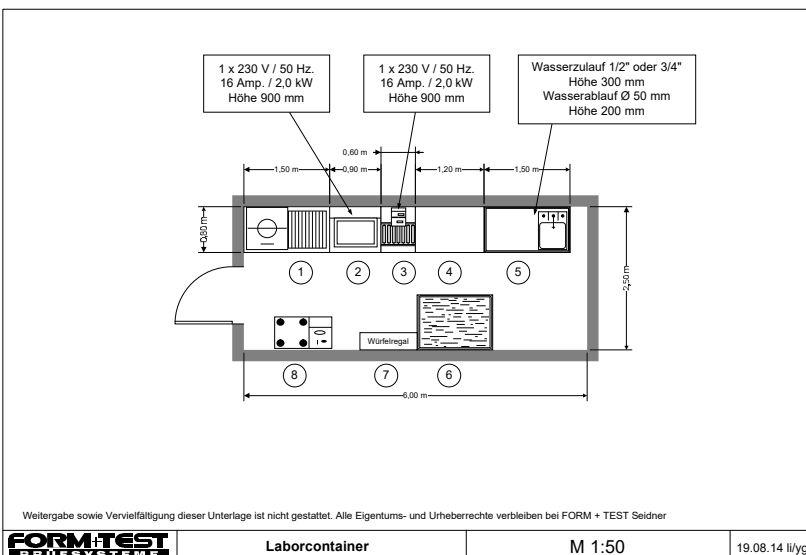
OPTIONS - Container:

- Thermal Insulation
- Air Conditioner
- Painting
RAL-Color



OPTIONS - Equipment:

- Water Penetration Tester
WE 3 or WE 6
- Sieves according to other
standards or sizes
- Cube Moulds and Cylinder
moulds with different sizes



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