FORM+TEST PRÜFSYSTEME

# Aggregates

# Grain Size Distribution

**EN 12620 - EN 933**

Ⓐ

## Ⓐ Sample Splitters

- consisting of dividing part, rack and 3 receivers 8 litres
- galvanized version

- 6 divisions, openings 75 mm
Order-No. N0420

- 8 divisions, openings 50 mm
Order-No. N0421

- 12 divisions, openings 37.5 mm
Order-No. N0422

- 16 divisions, openings 25 mm
Order-No. N0423

Ⓑ

## Ⓑ Sample Splitters

- consisting of dividing part (stainless steel), rack (painted) and 3 receivers (tin sheet) 1.75 litres

- 12 divisions, openings 6.3 mm
Order-No. N0430

- 18 divisions, openings 12.5 mm
Order-No. N0431

**Single parts available on request.**

Ⓒ

## Ⓒ Rotating Sample Splitter

- for solid and poor-flow materials
- best possible sample division
- for wet and dry division
- simple handling
- diameter of hopper: 10 mm
- dimensions: 609 x 383 x 660 mm
- 230 Volt, 50 Hz
- weight approx.: 30 kg

- rate 1:8
- max. feed volume: 4000 ml
Order-No. N0435

- rate 1:10
- max.feed volume: 2500 ml
Order-No. N0436

made in Germany

VDMA

FORM+TEST PRÜFSYSTEME

# Grain Size Distribution

**EN 12620 - EN 933**
**EN 13055-1 EN 13139**
**DIN 4226 - 100**

## Laboratory Sieve Shaker

Ⓐ

Ⓑ

Ⓒ

Ⓓ

Ⓔ

### Ⓐ EML 200 PURE „eco“
- for dry sieving
- sample weight approx. 3 kg
- clamping system “Classic“
- for 9 normal test sieves (50 mm effective height) or 15 reduced test sieves (32 mm effective height)
- possible diameters 50 - 203 mm
- delivery including cover with inspection glass

Order-No. N0550

### Ⓑ EML 200 Premium
- for dry sieving
- sample weight approx. 3 kg
- clamping system TwinNut
- for 9 normal test sieves (50 mm effective height) or 15 reduced test sieves (32 mm effective height)
- delivery including cover with inspection glass

Order-No. N0552

### Ⓒ EML 200 Premium N
- for dry and wet sieving
- separate control unit
- delivery including cover with inspection glass and wide spreading spray diffuser
- water socket with plug-in nozzle

Order-No. N0554

### Ⓓ EML 315 digital plus T
- for dry sieving
- sample weight approx. 6 kg
- clamping system TwinNut
- for 8 normal sieves (60 mm effective height) or 14 reduced test sieves (30 mm effective height)
- possible diameters 300, 250 und 200 mm
- delivery including cover with inspection glass

Order-No. N05090

### Ⓔ EML 315 digital plus N
- for wet and dry sieving
- separate control unit
- delivery including cover with inspection glass and wide spreading spray diffuser
- water socket with plug-in nozzle

Order-No. N05091

# Grain Size Distribution

**EN 12620 - EN 933**
**EN 13055-1 EN 13139**
**DIN 4226 - 100**

## Laboratory Sieve Shaker

Ⓐ

### Ⓐ EML 450 digital plus T

- for dry sieving
- sample weight approx. 15 kg
- clamping system TwinNut
- for 12 test sieves
- possible diameters 450, 400, 350, 315, 305, 300 mm
- delivery including cover with inspection glass

Order-No. N0510

Ⓑ

### Ⓑ EML 450 digital plus N

- for wet and dry sieving
- separate control unit
- clamping system TwinNut
- delivery including cover wiih inspection glass and wide spreading spray diffuser
- water socket with plug-in nozzle
- 2 hose clamps, 3 m PVC-water hose

Order-No. N0512

Ⓒ

### Ⓒ UWL 400 T

- for dry sieving
- sample weight approx. 20 kg
- clamping system TwinNut
- for 12 test sieves
- delivery including machine cover with inspection glass

Order-No. N05070

Ⓓ

### Ⓓ UWL 400 digital plus N

- for wet and dry sieving
- sample weight approx. 20 kg
- separate control unit
- clamping system TwinNut
- for 13 test sieves
- delivery including cover with inspection glass and wide spreading spray diffuser
- water socket with plug-in nozzle
- 2 hose clamps, 3 m PVC-water hose

Order-No. N05071

FORM+TEST PRÜFSYSTEME

# Grain Size Distribution

Ⓐ

## Ⓐ Laboratory Sieve Shaker UWL 400 H

- for dry sieving
- separate control unit
- 1 mounting device for sieves with wooden frame 300 x 300 / 500 x 500 mm

Order-No. N05072

Ⓑ

## Ⓑ Sieves with Wooden Frame

- mesh resp. sheets can be exchanged
- available dimensions: 300 x 300 and 500 x 500
- mesh sizes 0.045 - 3.55 mm
- hole widths 4.0 - 125 mm

Ⓒ

## Ⓒ Sound Insulation Cabinet

- for noise reduction in the laboratory
- depending on machine type and screening material

- for EML 200
- dimensions (width x depth x height) 600 x 600 x 1200 mm
- weight approx. 60 kg

Order-No. N050502

- for EML 315
- dimensions (width x depth x height) 800 x 600 x 1200 mm
- weight approx. 68 kg

Order-No. N0505022

- for EML 450 and UWL 400
- dimensions (width x depth x height) 1000 x 800 x 1800 mm
- weight approx. 114 kg

Order-No. N050503

Ⓓ Ⓔ Ⓕ Ⓖ

## Ⓓ Wire Brush - Small

- crimped brass wire
- on beech wood body
- total length: 150 mm

Order-No. S18170

## Ⓔ Wire Brush - Big

- crimped brass wire
- on beech wood body
- total length: 290 mm

Order-No. S1817

## Ⓕ Sieve Brush Big

- round Ø 50 mm

Order-No. S1810

## Ⓖ Sieve Brush Small

- round Ø 30 mm

Order-No. S18105

## Hand Brush (without picture)

- for moist and oily material
- total length: 300 mm

Order-No. S1620

FORM+TEST PRÜFSYSTEME

## Internationale Analysensieb-Vergleichstabelle 2017

SIEBBÖDEN FÜR ANALYSENSIEBE (Prüfsiebe) Maschen- bzw. Lochweiten

**125–1 mm**
TABLE 1

## International Test Sieve Comparison Table 2017

TEST SIEVES, NOMINAL SIZES OF OPENINGS

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ISO 3310 Table 1, Millimetre sizes | | | DEU | DEU | DEU | USA | | | USA | USA | TYLER® |
| ISO N BSI NF* | | | DIN | DIN | DIN | ASTM | ASTM | | ASTM | ASTM | TYLER |
| Hauptreihe Principal sizes | Nebenreihen Supplementary sizes | | | | | Standard | U.S. Alternative | Nebenreihen Supplementary sizes | | | |
| R 20/3 | R 20 | R 40/3 | | | | | | | | | |
| | | | DIN ISO 3310-1 # | DIN ISO 3310-2 ● | DIN ISO 3310-2 ■ | ASTM E11 # | | ASTM E11 | ASTM E323 ● | ASTM E323 ■ | TYLER Screen Scale # |
| Nennmaschenweiten nach ISO 565 Nominal aperture sizes acc. to ISO 565 | | | 125–1 | 125–1 | 125–4 | 125–1 | | 125–1 | 125–1 | 125–3.35 | 26,5–1 |
| w | w | w | w | w | w | w | No. | w | w | w | Mesh |
| 125 | 125 | 125 | 125 | 125 | 125 | 125 | 5 in. | | 125 | 125 | |
| | 112 | | 112 | 112 | 112 | | | 112 | | | |
| | | 106 | 106 | 106 | 106 | 106 | 4.24 in. | | 106 | 106 | |
| | 100 | | 100 | 100 | 100 | 100 | 4 in. | | 100 | 100 | |
| 90 | 90 | 90 | 90 | 90 | 90 | 90 | 3.1/2 in. | | 90 | 90 | |
| | 80 | | 80 | 80 | 80 | | | 80 | | | |
| | | 75 | 75 | 75 | 75 | 75 | 3 in. | | 75 | 75 | |
| | 71 | | 71 | 71 | 71 | | | 71 | | | |
| 63 | 63 | 63 | 63 | 63 | 63 | 63 | 2.1/2 in. | | 63 | 63 | |
| | 56 | | 56 | 56 | 56 | | | 56 | | | |
| | | 53 | 53 | 53 | 53 | 53 | 2.12 in. | | 53 | 53 | |
| | 50 | | 50 | 50 | 50 | 50 | 2 in. | | 50 | 50 | |
| 45 | 45 | 45 | 45 | 45 | 45 | 45 | 1.3/4 in. | | 45 | 45 | |
| | 40 | | 40 | 40 | 40 | | | 40 | | | |
| | | 37,5 | 37,5 | 37,5 | 37,5 | 37.5 | 1.1/2 in. | | 37.5 | 37.5 | |
| | 35,5 | | 35,5 | 35,5 | 35,5 | | | 35.5 | | | |
| 31,5 | 31,5 | 31,5 | 31,5 | 31,5 | 31,5 | 31.5 | 1.1/4 in. | | 31.5 | 31.5 | |
| | 28 | | 28 | 28 | 28 | | | 28 | | | |
| | | 26,5 | 26,5 | 26,5 | 26,5 | 26.5 | 1.06 in. | | 26.5 | 26.5 | 1.05 in. |
| | 25 | | 25 | 25 | 25 | 25.0 | 1 in. | | 25.0 | 25.0 | |
| 22,4 | 22,4 | 22,4 | 22,4 | 22,4 | 22,4 | 22.4 | 7/8 in. | | 22.4 | 22.4 | .883 in. |
| | 20 | | 20 | 20 | 20 | | | 20 | | | |
| | | 19 | 19 | 19 | 19 | 19.0 | 3/4 in. | | 19.0 | 19.0 | .742 in. |
| | 18 | | 18 | 18 | 18 | | | 18 | | | |
| 16 | 16 | 16 | 16 | 16 | 16 | 16.0 | 5/8 in. | | 16.0 | 16.0 | .624 in. |
| | 14 | | 14 | 14 | 14 | | | 14 | | | |
| | | 13,2 | 13,2 | 13,2 | 13,2 | 13.2 | 0.530 in. | | 13.2 | 13.2 | .525 in. |
| | 12,5 | | 12,5 | 12,5 | 12,5 | 12.5 | 1/2 in. | | 12.5 | 12.5 | |
| 11,2 | 11,2 | 11,2 | 11,2 | 11,2 | 11,2 | 11.2 | 7/16 in. | | 11.2 | 11.2 | .441 in. |
| | 10 | | 10 | 10 | 10 | | | 10 | | | |
| | | 9,5 | 9,5 | 9,5 | 9,5 | 9.5 | 3/8 in. | | 9.5 | 9.5 | .371 in. |
| | 9 | | 9 | 9 | 9 | | | 9 | | | |
| 8 | 8 | 8 | 8 | 8 | 8 | 8.0 | 5/16 in. | | 8.0 | 8.0 | 2.1/2 |
| | 7,1 | | 7,1 | 7,1 | 7,1 | | | 7.1 | | | |
| | | 6,7 | 6,7 | 6,7 | 6,7 | 6.7 | 0.265 in. | | 6.7 | 6.7 | 3 |
| | 6,3 | | 6,3 | 6,3 | 6,3 | 6.3 | 1/4 in. | | 6.3 | 6.3 | |
| 5,6 | 5,6 | 5,6 | 5,6 | 5,6 | 5,6 | 5.6 | 3.1/2 | | 5.6 | 5.6 | 3.1/2 |
| | 5 | | 5 | 5 | 5 | | | 5 | | | |
| | | 4,75 | 4,75 | 4,75 | 4,75 | 4.75 | 4 | | 4.75 | 4.75 | 4 |
| | 4,5 | | 4,5 | 4,5 | 4,5 | | | 4.5 | | | |
| 4 | 4 | 4 | 4 | 4 | 4 | 4.00 | 5 | | 4.00 | 4.00 | 5 |
| | 3,55 | | 3,55 | 3,55 | | | | 3.55 | | | |
| | | 3,35 | 3,35 | 3,35 | | 3.35 | 6 | | 3.35 | 3.35 | 6 |
| | 3,15 | | 3,15 | 3,15 | | | | 3.15 | | | |
| 2,8 | 2,8 | 2,8 | 2,8 | 2,8 | | 2.80 | 7 | | 2.80 | | 7 |
| | 2,5 | | 2,5 | 2,5 | | | | 2.5 | | | |
| | | 2,36 | 2,36 | 2,36 | | 2.36 | 8 | | 2.36 | | 8 |
| | 2,24 | | 2,24 | 2,24 | | | | 2.24 | | | |
| 2 | 2 | 2 | 2 | 2 | | 2.00 | 10 | | 2.00 | | 9 |
| | 1,8 | | 1,8 | 1,8 | | | | 1.8 | | | |
| | | 1,7 | 1,7 | 1,7 | | 1.70 | 12 | | 1.70 | | 10 |
| | 1,6 | | 1,6 | 1,6 | | | | 1.6 | | | |
| 1,4 | 1,4 | 1,4 | 1,4 | 1,4 | | 1.40 | 14 | | 1.40 | | 12 |
| | 1,25 | | 1,25 | 1,25 | | | | 1.25 | | | |
| | | 1,18 | 1,18 | 1,18 | | 1.18 | 16 | | 1.18 | | 14 |
| | 1,12 | | 1,12 | 1,12 | | | | 1.12 | | | |
| 1 | 1 | 1 | 1 | 1 | | 1.00 | 18 | | 1.00 | | 16 |

Drahtgewebe # Woven Wire Cloth  Rundlochung ● Round Holes  Quadratlochung ■ Square Holes

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*Nationale Ausgaben der ISO 3310

FORM+TEST PRÜFSYSTEME

## Internationale Analysensieb-Vergleichstabelle 2017

SIEBBÖDEN FÜR ANALYSENSIEBE (Prüfsiebe) Maschen- bzw. Lochweiten

**900–5 µm**
TABLE 2

## International Test Sieve Comparison Table 2017

TEST SIEVES, NOMINAL SIZES OF OPENINGS

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|
| ISO 3310 Table 2, Micrometre sizes | | | DEU | DEU | | USA | USA | | USA | TYLER® |
| ISO | N BSI NF* | | DIN | DIN | | ASTM | ASTM | | ASTM | TYLER |
| Hauptreihe Principal sizes | Nebenreihen Supplementary sizes | | | | | Standard | U.S. Alternative | Nebenreihen Supplementary sizes | | |
| R 20/3 | R 20 | R 40/3 | | | | | | | | |
| | | | DIN ISO 3310-1 # | DIN ISO 3310-3 ⧉ | | ASTM E11 # | | ASTM E11 # | ASTM E161 ⧉ | TYLER Screen Scale # |
| Nennmaschenweiten nach ISO 565 Nominal aperture sizes acc. to ISO 565 | | | 900–20 | 500–5 | | 850–20 | | 900–36 | 500–5 | 850–20 |
| w | w | w | w | w | | w | No. | w | w | Mesh |
| | 900 | | 900 | | | | | 900 | | |
| | | 850 | 850 | | | 850 | 20 | | | 20 |
| | 800 | | 800 | | | | | 800 | | |
| 710 | 710 | 710 | 710 | | | 710 | 25 | | | 24 |
| | 630 | | 630 | | | | | 630 | | |
| | | 600 | 600 | | | 600 | 30 | | | 28 |
| | 560 | | 560 | | | | | 560 | | |
| 500 | 500 | 500 | 500 | 500 | | 500 | 35 | | 500 | 32 |
| | 450 | | 450 | 450 | | | | 450 | | |
| | | 425 | 425 | 425 | | 425 | 40 | | 425 | 35 |
| | 400 | | 400 | 400 | | | | 400 | | |
| 355 | 355 | 355 | 355 | 355 | | 355 | 45 | | 355 | 42 |
| | 315 | | 315 | 315 | | | | 315 | | |
| | | 300 | 300 | 300 | | 300 | 50 | | 300 | 48 |
| | 280 | | 280 | 280 | | | | 280 | | |
| 250 | 250 | 250 | 250 | 250 | | 250 | 60 | | 250 | 60 |
| | 224 | | 224 | 224 | | | | 224 | | |
| | | 212 | 212 | 212 | | 212 | 70 | | 212 | 65 |
| | 200 | | 200 | 200 | | | | 200 | | |
| 180 | 180 | 180 | 180 | 180 | | 180 | 80 | | 180 | 80 |
| | 160 | | 160 | 160 | | | | 160 | | |
| | | 150 | 150 | 150 | | 150 | 100 | | 150 | 100 |
| | 140 | | 140 | 140 | | | | 140 | | |
| 125 | 125 | 125 | 125 | 125 | | 125 | 120 | | 125 | 115 |
| | 112 | | 112 | 112 | | | | 112 | | |
| | | 106 | 106 | 106 | | 106 | 140 | | 106 | 150 |
| | 100 | | 100 | 100 | | | | 100 | | |
| 90 | 90 | 90 | 90 | 90 | | 90 | 170 | | 90 | 170 |
| | 80 | | 80 | 80 | | | | 80 | | |
| | | 75 | 75 | 75 | | 75 | 200 | | 75 | 200 |
| | 71 | | 71 | 71 | | | | 71 | | |
| 63 | 63 | 63 | 63 | 63 | | 63 | 230 | | 63 | 250 |
| | 56 | | 56 | 56 | | | | 56 | | |
| | | 53 | 53 | 53 | | 53 | 270 | | 53 | 270 |
| | 50 | | 50 | 50 | | | | 50 | | |
| 45 | 45 | 45 | 45 | 45 | | 45 | 325 | | 45 | 325 |
| | 40 | | 40 | 40 | | | | 40 | | |
| | | 38 | 38 | 38 | | 38 | 400 | | 38 | 400 |
| R'10 | 36 | | 36 | 36 | | | | 36 | | |
| 32 | | | 32 | 32 | | 32 | 450 | | 32 | 450 |
| 25 | | | 25 | 25 | | 25 | 500 | | 25 | 500 |
| 20 | | | 20 | 20 | | 20 | 635 | | 20 | 635 |
| | | | | 16 | | | | | 15 | |
| | | | | 10 | | | | | 10 | |
| | | | | 5 | | | | | 5 | |

Drahtgewebe # Woven Wire Cloth  Elektrogeformte Siebfolie ⧉ Electroformed sheet

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*Nationale Ausgaben der ISO 3310

FORM+TEST PRÜFSYSTEME

# Grain Size Distribution

**EN 12620 - EN 933**
**EN 13055-1 EN 13139**
**DIN 4226 - 100**

## Ⓐ Test Sieves with Stainless Steel Drames

- available diameters: 100, 200, 203, 300, 305, 315, 400 mm
- mesh sizes 0.020 - 3.55 mm
- hole widths 4.0 - 125 mm (depending on diameter)
- effective height 30 -75 mm

**Sieve Cover** (without picture)

**Sieve Pan** (without picture)

## Ⓑ Control Sand for Test Sieves

- the sand is suitable for a simple functional test in the context of regular quality control in addition to the required visual and intermediate inspections
- unit of 3 PE-glasses, each 202 g
- grain sizes: 0.125 - 2.00 mm
- for single use only

Order-No. N0490

## Ⓒ Ultrasonic Cleaner

- for the comfortable cleaning of test sieves
- increase of service life
- no damage of sieves
- conservation of mesh tension
- simple handling
- for sieves up to Ø 500 mm
- drain by ball valve
- with time switch 1-15 min.
- 230 Volt / 60 Hz

Order-No. N0912

# Grain Size Distribution

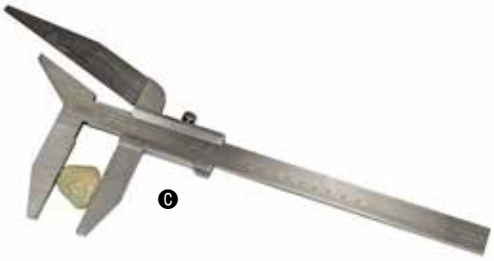
## Ⓐ Bulk Density Container

- 1 litre
  Order-No. N04401
- 5 litres
  Order-No. N04411
- 10 litres
  Order-No. N04421
- 20 litres
  Order-No. N04431

## Grain Shape-Flakiness Index acc. to EN 933-3

## Ⓑ Bar Sieves 300 x 300 mm

- with wraparound grip edge
- slot sizes 2.5 bis 40.0 mm



## Ⓒ Grain Shape Sliding Caliper 1:3

- made of stainless steel
- acc.to DIN 52 114 and EN 933-4

Order-No. N0450

## Ⓓ Hand Shovel

- for sampling, made of aluminium
- content 450 cm³

Order-No. S0809

## Ⓔ Hand Shovel

- for sampling, made of aluminium
- content 900 cm³

Order-No. S0810

## Ⓕ Pressure Cylinder

- for determination of aggregate crushing value acc. to EN 13055-1 – procedure 1
- for determination of aggregate crushing value acc. to DIN 4226
- consisting of
  base plate
  pressure cylinder
  guide ring
  compression stamp
  height adjustable ring with pressure switch

Order-No. N0460

# Grain Gross Density

## Ⓐ Measuring Cylinders
• plastic

• 1000 ml
Order-No. S0607

• 2000 ml
Order-No. S0608

## Ⓑ Closing Plugs
• for measuring cylinders 1000 ml
Order-No. S0612

## Ⓒ Measuring Cups (without picture)
• plastic
• super-transparent
• with embossed scale, graduation 10 ml

• 1000 ml
Order-No. S0617

• 2000 ml
Order-No. S0618

• 5000 ml
Order-No. S0619

## Ⓓ Sedimentation Cone
• acc. to Imhoff
• crystal clear and shatterproof
• with drain plug
• graduation up to 1000 ml
Order-No. O019071

## Ⓔ Rack for Sedimentation Cones
• wire rack for 2 sedimentation cones
• dimensions: 200 x 300 x 450 mm
Order-No. O019072

## Ⓕ Wide Mouth Bottle
• 300 ml
• for the determination of organic substances acc. to DIN 4226
• measuring marks ati 130 / 200 ml
• made of glass, with plug
Order-No. N0901

## Ⓖ Stop Watch
Order-No. S20123

# Moisture Measurement

## Electric Drying Oven UN + UF

microprocessor PID controller with high-resolution TFT colour display

- self-diagnosis system for fault detection
- digital timer adjustable from 1 minute up to 99 days, 23 hours
- adjustable parameters: temperature (Celsius or Fahrenheit), fan speed, air flap position, program runtime, time zones, summer-/winter time
- air vent with throttle valve
- incl. works calibration certificate at +160°C
- Ethernet-interface at the rear to read out the log data
- temperature range: +20 ... +300°C

Ⓐ

### Ⓐ Type UN55

- natural air circulation
- with single-leaf stainless steel door
- stainless steel interior with 1 stainless steel grid
- volume: 53 ltr.
- interior dimensions (wxdxh): 400 x 400 x 330 mm
- casing dimensions (wxdxh without door handle): 585 x 784 x 514 mm
- voltage: 230 Volt / 50/60 Hz.
- electrical load: 2000 Watt
- weight net: 57 kg

Order-No. L010112

### Type UF55

like Ⓐ but with:

- forced air movement by low-noise air turbine, adjustable in 10% steps

Order-No. L010612

Ⓑ

### Ⓑ Type UN110

- with single-leaf stainless steel door
- stainless steel interior with 2 stainless steel grids
- volume: 108 ltr.
- interior dimensions (wxdxh): 560 x 480 x 400 mm
- casing dimensions (wxdxh without door handle): 745 x 864 x 584 mm
- voltage: 230 Volt / 50/60 Hz.
- electrical load: 2800 Watt
- weight net: 74 kg

Order-No. L010212

### Type UF110

like Ⓑ but with:

- forced air movement by low-noise air turbine, adjustable in 10% steps

Order-No. L010712

# Moisture Measurement

Ⓐ + Ⓑ

## Ⓐ Type UN160

- with single-leaf stainless steel door
- stainless steel interior with 2 stainless steel grids
- volume: 161 ltr.
- interior dimensions (wxdxh): 560 x 720 x 400 mm
- casing dimensions (wxdxh without door handle): 745 x 1104 x 580 mm
- voltage: 230 Volt / 50/60 Hz.
- electrical load: 3200 Watt
- weight net: 96 kg

Order-No. L010220

### Type UF160

like Ⓐ buth with:

- forced air movement by low-noise air turbine, adjustable in 10% steps

Order-No. L010720

## Ⓑ Type UN260

- with single-leaf stainless steel door
- stainless steel interior with 2 stainless steel grids
- volume: 256 ltr.
- interior dimensions (wxdxh): 640 x 800 x 500 mm
- casing dimensions (wxdxh without door handle): 824 x 1183 x 684 mm
- voltage: 230 Volt / 50/60 Hz.
- electrical load: 3400 Watt
- weight net: 110 kg

Order-No. L010312

### Type UF260

like Ⓑ but with:

- forced air movement by low-noise air turbine, adjustable in 10% steps

Order-No. L010812

Ⓒ

## Ⓒ Type UN450

- with double-leaf stainless steel door
- stainless steel interior with 2 stainless steel grids
- movable and lockable on rolls
- volume: 449 ltr.
- interior dimensions (wxdxh): 1040 x 720 x 600 mm
- casing dimensions (wxdxh without door handle): 1224 x 1247 x 784 mm
- voltage: 3x 400 Volt / 50 Hz.
- electrical load: 5800 Watt
- weight net: 161 kg

Order-No. L010412

### Type UF450

like Ⓒ but with:

- forced air movement by low-noise air turbine, adjustable in 10% steps

Order-No. L010912

# Moisture Measurement

## Ⓐ Type UN750

- with double-leaf stainless steel door
- stainless steel interior with 2 stainless steel grids
- movable and lockable on rolls
- volume: 749 ltr.
- interior dimensions (wxdxh): 1040 x 1200 x 600 mm
- casing dimensions (wxdxh without door handle): 1224 x 1726 x 784 mm
- voltage: 3x 400 Volt / 50/60 Hz.
- electrical load: 7000 Watt
- weight net: 192 kg

Order-No. L010512

## Type UF750

like Ⓐ but with:

- forced air movement by low-noise air turbine, adjustable in 10% steps

Order-No. L011012

## Ⓑ Muffle Furnace L5/11

- housing made of sheets of textured stainless steel
- dual-shell housing for low outdoor temperatures and high stability
- heating from two sides by ceramic heating plates
- air outlet in the rear of the furnace
- with flap door which can be used as a work platform
- adjustable air inlet integrated in the door
- control electronics integrated in the furnace base
- temperature adjustable in 1°C steps
- temperature max.: 1,100°C
- content: 5 ltr.
- exterior dimensions (wxdxh): 440 x 470 x 520 mm
- interior dimensions (wxdxh): 200 x 170 x 130 mm
- voltage: 240 V / 50 Hz; 2,4 kW
- weight approx. 35 kg

Order-No. L0310

## Ⓒ Muffle Furnace LT5/11

like Ⓑ buth with:

- lift door, with hot surface facing away from the operator

Order-No. L0312

# Balances

Ⓐ

### Ⓐ Electronic Precision Balance

- digital display with YES/NO menue guide in the display
- transportable execution - operation by mains adapter or accu (option) possible
- incl. interface RS 232
- incl. protection cover
- weighing platform made of stainless steel: Ø 150 mm
- weighing range: 1.600 g
- resolution: 0.01 g
- incl. AC adapter 230 Volt / 50 Hz

Order-No. O01140

Ⓑ

### Ⓑ Electronic Precision Balance

- digital display with YES/NO menue guide in the display
- transportable execution - operation by mains adapter or accu (option) possible
- incl. interface RS 232
- incl. protection cover
- weighing platform made of stainless steel: Ø 150 mm
- weighing range: 4.200 g
- resolution: 0.01 g
- incl. AC adapter 230 Volt / 50 Hz

Order-No. O01141

Ⓒ

### Ⓒ Electronic Precision Balance

- transportable execution - operation with mains apparatus accumulator (option) or batteries (block-battery 9V) possible
- incl. interface RS 232
- incl. protection cover
- weighing platform made of stainless steel: 170 x 150 mm
- weighing range: 6.000 g
- resolution: 0.1 g
- incl. AC adapter 230 Volt

Order-No. O01023

Ⓓ

### Ⓓ Electronic Precision Balance

- digital display with YES/NO menue guide in the display
- transportable execution - operation by mains adapter or accu (option) possible
- incl. interface RS 232
- incl. protection cover
- weighing platform made of stainless steel: 160 x 200 mm
- weighing range: 16.000 g
- resolution: 0.1 g
- incl. AC adapter 230 Volt / 50 Hz

Order-No. O01133

# Balances

### Ⓐ Electronic Platform Balance

- back lighted LCD display, digit size: 25 mm
- weighing platform made of stainless steel
- operation by power supply unit or storage battery (available as option)
- basic model including power supply unit and protection cover for display unit
- weighing platform: 500 x 400 x 120 mm
- weighing range: 15/35 kg
- resolution: 0.5/1 g
- minimum unit weight: 10 g

Order-No. O04000

### Ⓑ Electronic Precision Balance

- LCD digital display with simple 5 button operation
- transportable execution - operation by mains apparatus or batteries possible
- weighing platform made of stainless steel: 150 x 170 mm
- weighing range: 6.000 g
- resolution: 1 g
- incl. AC adapter 230 Volt

Order-No. O01041

# Moisture Measurement

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## Ⓐ CM–Moisture Tester

- moisture measurement acc. to the calcium-carbide method
- with analog display
- with electronic precision balance
- with stop watch / timer

Order-No. T0840

## CM–Moisture Tester

- acc. to. ZTV-ING
- moisture measurement acc. to the calcium-carbide method
- with analog display
- with electronic precision balance
- with stop watch / timer
- with additional test sieve (stainless steel) Ø 100 mm, mesh size 2.0 mm

(without picture)

Order-No. T0841

## Ⓑ CM–Moisture Tester

- moisture measurement acc. to the calcium-carbide method
- with digital display
- with electronic precision balance
- with stop watch / timer

Order-No. T0855

## Ⓒ Moisture Analyzer

- back lighted Graphic-display, digit size: 14 mm
- halogen spotlight 400 W
- scales internal memory for automatic running of 15 drying programs
- incl. 50 specimen pans
- for mains operation 230 V
- weighing range: max. 200 g
- resolution: 0.01 g / 0,05 %
- reproducibility for weighing: 2 g / 10 g 1.5% / 0,3%
- humidity %: 0-100%
- dry content %: 100-0%
- temperature range: 40° C – 199°C in steps to 1°C
- dimensions: 240 x 365 x 180 mm

Order-No. O08000

## Moisture Analyzer

like Ⓒ but:

- weighing range: max. 110 g
- resolution: 0,001 g / 0,01 %
- reproducibility for weighing: 2 g / 10 g 0.15% / 0.03%
- humidity %: 0-100%
- dry content %: 100-0%
- temperature range 40° C – 199°C in steps to 1°C
- dimensions: 240 x 365 x 180 mm

Order-No. O08001

# Moisture Measurement

With the app you profit by continuous developments by free software-updates.

APP ERHÄLTLICH BEI Google Play

## Mobile Moisture Measuring Device „Advanced“

- to exact measure moisture and temperature of bulk materials of all kinds
- rugged housing made of stainless steel
- sensor face made of low-wear special ceramic
- high-power battery (incl. charging cable)
- automatic calibration mode
- extensive archive of calibration curves
- measured value display optionally as moisture percentage, W/C ratio or water content (l/m³)
- data transmission via USB-connection or WLAN
- evaluation by special software (Windows) or free-app (Android)
- continuous developments by free software updates
- short measuring time (max. 10 sec.)
- measuring accuracy approx. +/- 0.3 %
- temperature measurement: 0 - 80°C
- total length: 345 mm
- diameter of the measuring cylinder: 30 mm
- weight approx.: 1.6 kgs
- incl. carrying case

Order-No. T1002

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