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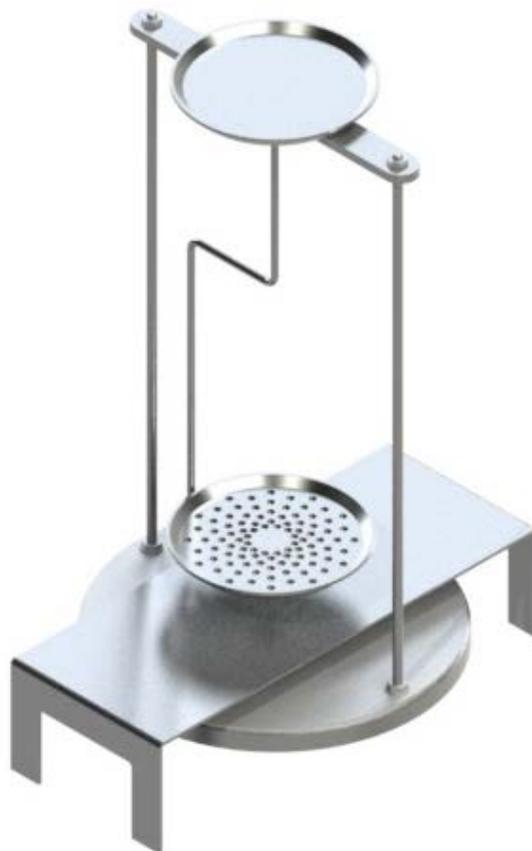
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Operating instructions

Density determination set for precision balance KERN EMB 2000-2V

KERN YDB-02

Version 1.1
10/2014
GB



YDB-02-BA-e-1411



KERN YDB-02

Version 1.1 10/2014

Operating instructions

Density determination set for precision balance KERN EMB 2000-2V

1 Scope of delivery

- ⇒ Check packaging and density determination set immediately when unpacking for possible visible damage.
- ⇒ Make sure that all parts are completely present.

- 1 Weighing plate "density set"



- 2 Platform



③ Beaker



④ Immersion basket for descending solid matter (density $> 1 \text{ g/cm}^3$)



⑤ Immersion basket for floating solid matter (density $< 1 \text{ g/cm}^3$)



⑥ Sinker
200 g stainless steel weight

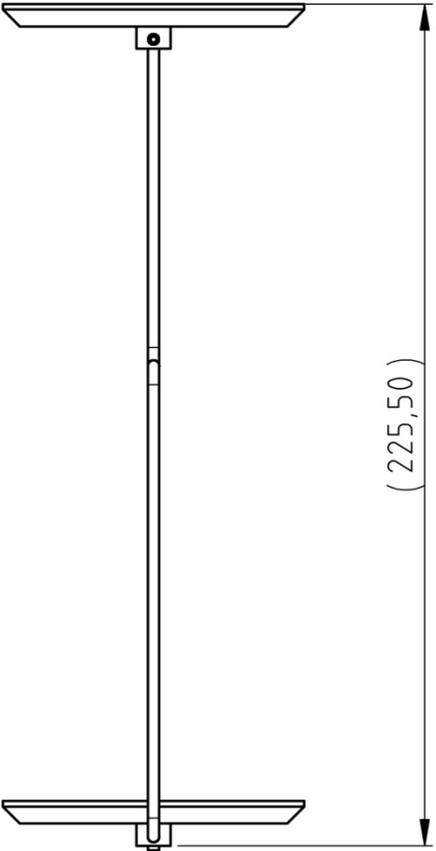
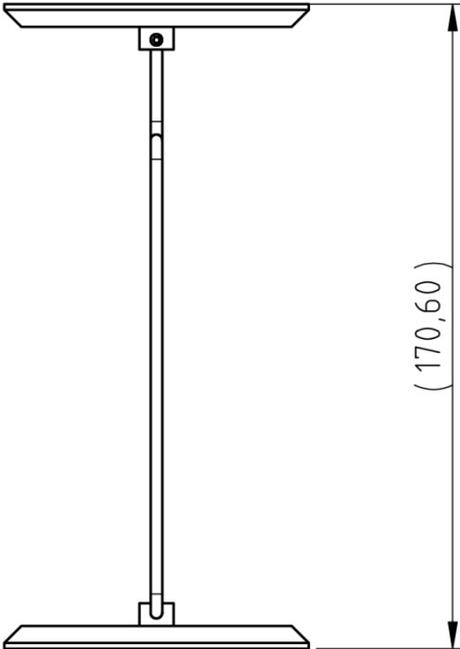
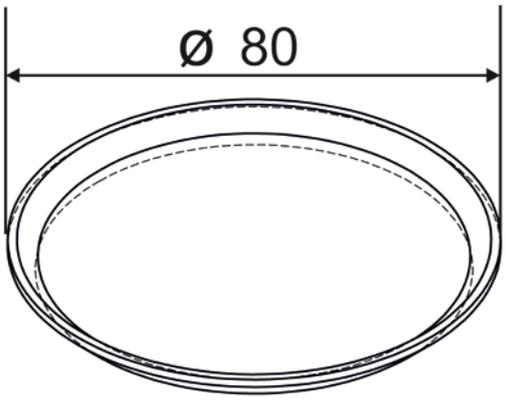
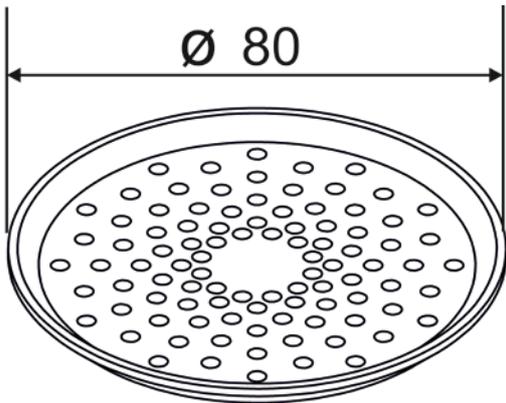


⑦ Thermometer

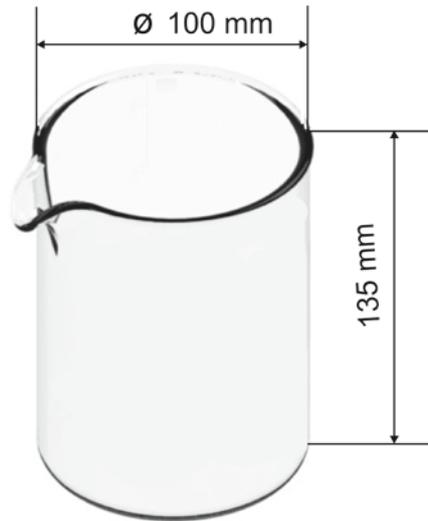


⑧ Manual

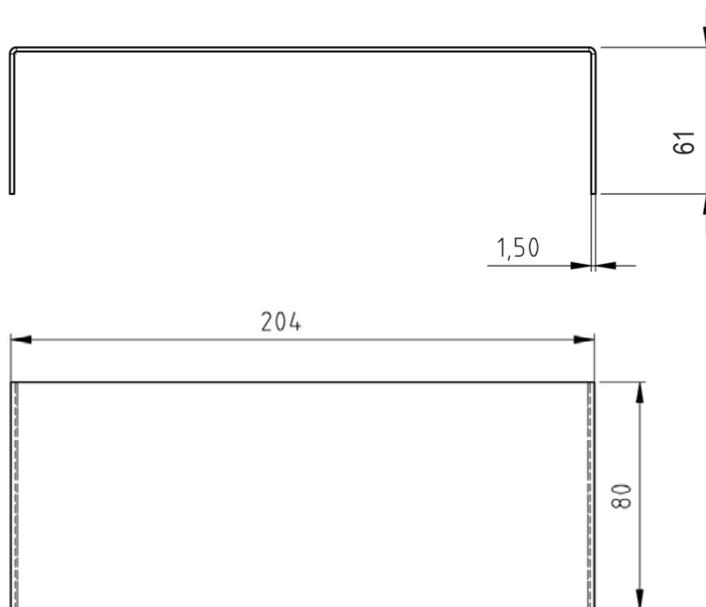
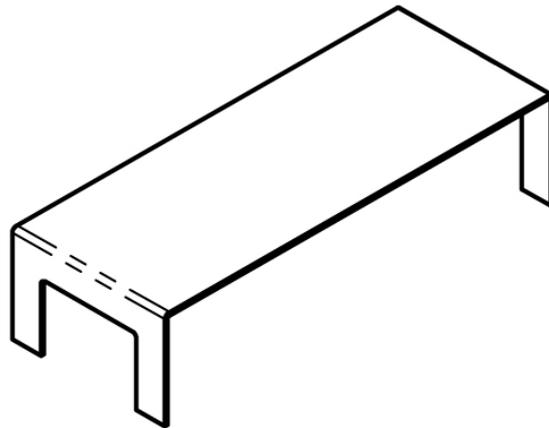
2 Dimension [mm]

Immersion basket for descending solid matter (density > 1 g/cm ³)	Immersion basket for floating solid matter (density < 1 g/cm ³)
 <p data-bbox="646 779 699 913">(225,50)</p> <p>The diagram shows a vertical immersion basket with a flat top and a flat bottom. A vertical rod connects the two plates. A dimension line on the right indicates a total height of (225,50) mm.</p>	 <p data-bbox="1268 683 1321 817">(170,60)</p> <p>The diagram shows a vertical immersion basket with a flat top and a flat bottom. A vertical rod connects the two plates. A dimension line on the right indicates a total height of (170,60) mm.</p>
Sample dish	
 <p data-bbox="411 1422 534 1467">Ø 80</p> <p>The diagram shows a shallow, circular sample dish with a diameter of Ø 80 mm. It has a smooth, slightly raised rim.</p>	 <p data-bbox="1013 1422 1136 1467">Ø 80</p> <p>The diagram shows a shallow, circular sample dish with a diameter of Ø 80 mm. It has a smooth, slightly raised rim and a perforated bottom surface with many small circular holes.</p>

Beaker



Platform



3 Installation with KERN EMB 2000-2V



Fig.1: KERN EMB 2000-2V with installed density sets KERN YDB-02

- ⇒ Disconnect scale from power supply.
- ⇒ Remove the standard weighing plate and replace it with the density set.
- ⇒ Place the platform for glass containers in a way that it does not touch the weighing plate.
- ⇒ Place beaker in the centre of the platform. Make sure that it has no contact with the frame.
- ⇒ Hang the immersion basket on the rack. Make sure that it is centred in the recess.
- ⇒ Pour the liquid into the glass beaker. Filling height should be approx. $\frac{3}{4}$ of the capacity. Immerse thermometer
- ⇒ Heat the liquid, the instruments or the sinker until the temperature is constant. Observe the warm-up time of the balance.



For further information, as well as the procedure of density determination please see the operating instructions added to the density balance KERN EMB-V or on the KERN homepage (www.kern-sohn.com).