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Operating instructions

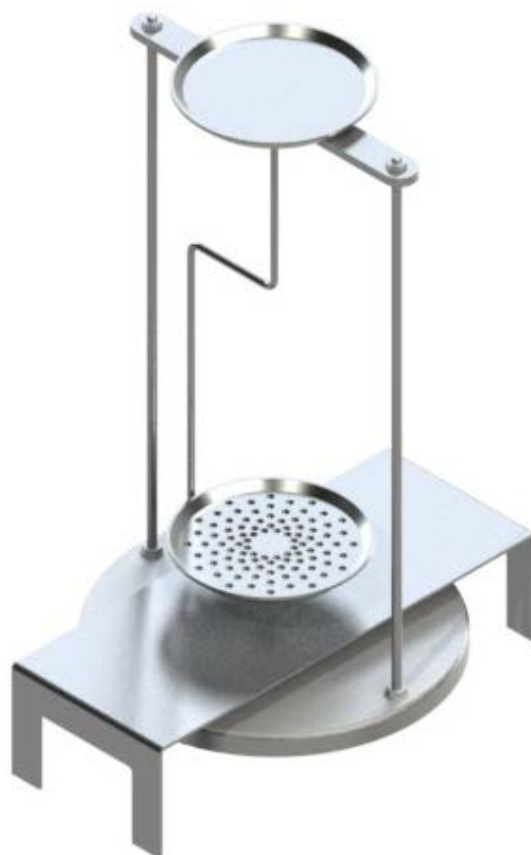
Density determination set for precision balance KERN EMB 2000-2V

KERN YDB-02

Version 1.1

10/2014

GB



YDB-02-BA-e-1411



KERN YDB-02

Version 1.1 10/2014

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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.

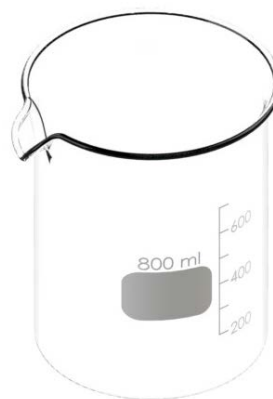
① Weighing plate "density set"



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



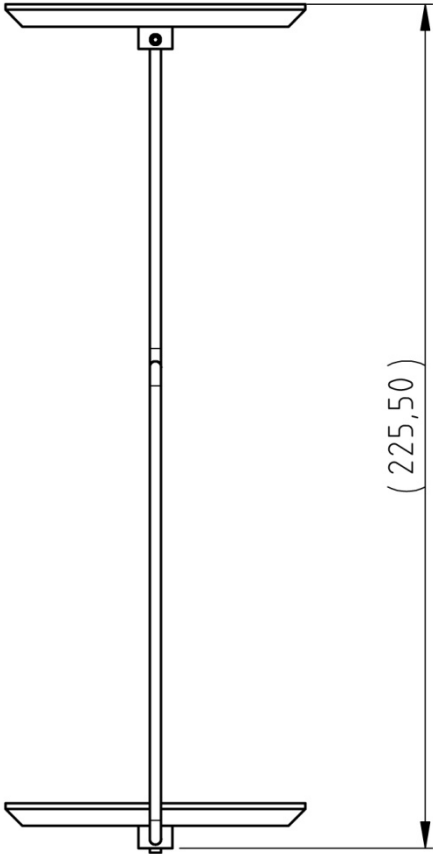
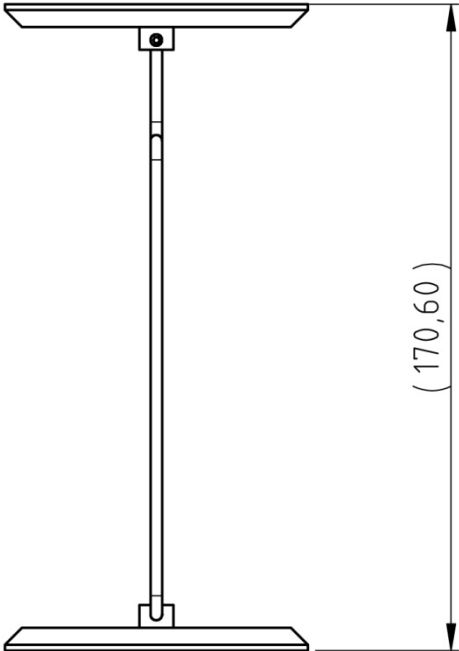
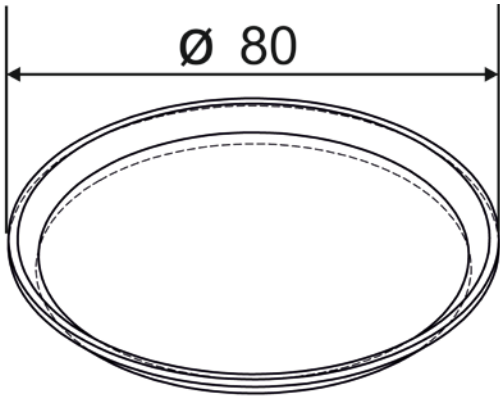
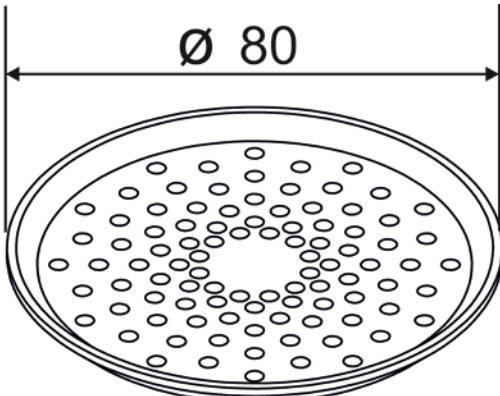
- ⑦ Thermometer



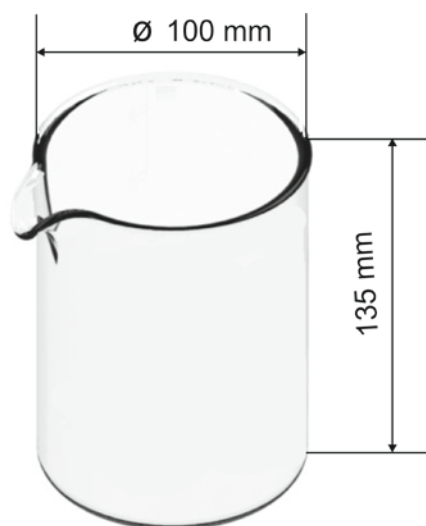
- ⑧ Manual

2 Dimension [mm]

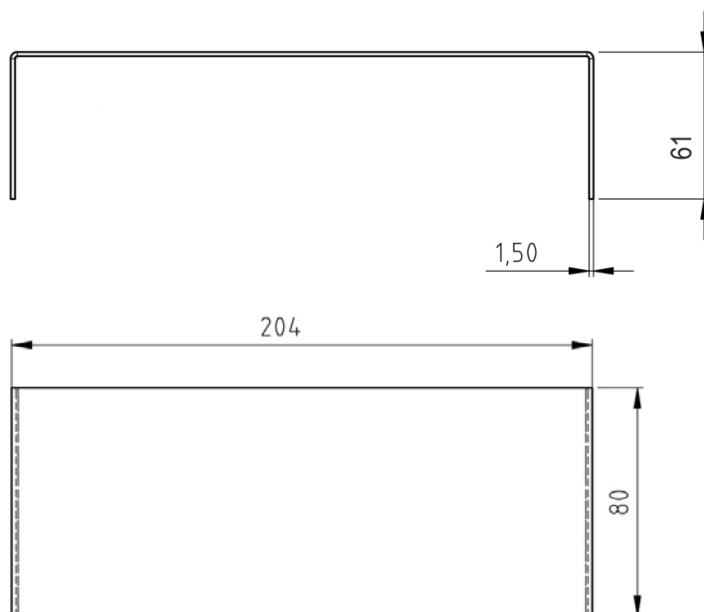
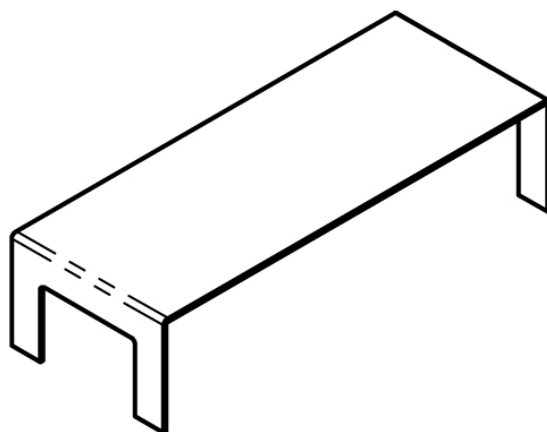
English

Immersion basket for descending solid matter (density > 1 g/cm³)	Immersion basket for floating solid matter (density < 1 g/cm³)
 Diagram of an immersion basket for descending solid matter. It consists of a flat rectangular top plate connected by a vertical rod to a flat rectangular bottom plate. A dimension line on the right indicates a height of (225,50).	 Diagram of an immersion basket for floating solid matter. It consists of a flat rectangular top plate connected by a vertical rod to a flat rectangular bottom plate. A dimension line on the right indicates a height of (170,60).
Sample dish   Two diagrams of sample dishes, both with a diameter of Ø 80. The left dish is a simple shallow bowl. The right dish is a shallow bowl with a perforated bottom, featuring a grid of small circular holes.	

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).