

PHYWE Systeme GmbH & Co. KG
Robert-Bosch-Breite 10
D-37079 Göttingen

Telefon +49 (0) 551 604-0
Fax +49 (0) 551 604-107
E-mail info@phywe.de

Operating instructions



Fig. 1: Westphal/ Mohr density balance

TABLE ON CONTENT

- 1 SAFETY PRECAUTION
- 2 PURPOSE AND CHARACTERISTICS
- 3 TECHNICAL DATA
- 4 EXPERIMENTS
- 5 WARRANTY
- 6 WASTE DISPOSAL

1 SAFETY PRECAUTION



Caution!

- Carefully read these operating instructions completely before operating this instrument. This is necessary to avoid damage to it, as well as for user-safety.
- Clean the scale carefully after unpacking. Use a soft cloth or brush to clean the knife and knife holder.
- Do not start up this instrument in case of visible signs of damage to it.
- Only use the instrument for the purpose for which it was designed.
- Place the scale on a stable and level surface.
- After the measurement, all weights should be removed from the V-groove and the small hook.

2 PURPOSE AND CHARACTERISTICS

This mechanical precision balance with balance beam is used to determine the density of liquids and solids.

The balance beam is mounted on a height-adjustable stand by means of steel blades. On one side of the balance beam there are 9 positions for the rider weights. On the other side, the beam is equipped with a counterweight and a pointer extended to a fine point. The stand is made of solid metal and stands on three feet, one of which has a levelling screw.

3 TECHNICAL DATA

- Density range: 0 ... 2 g/cm³
- Countersunk glass body with hook
- Response sensivity: 0.001 g/ccm
- Rider weights
- Tweezers
- Countersunk body 5 cm³
- Suspension thermometer
- Sinkers glass
- Weight 1,25 kg

4 EXPERIMENTS

Density of liquids P2140100

5 WARRANTY

We give a warranty of 24 months for units that we have supplied inside the EU, and a warranty of 12 months outside the EU. The following is excluded from the warranty: damage that is due to non-compliance with the operating instructions, improper use or natural wear.

The manufacturer can only be held liable for the function and safety-relevant properties of the unit if the maintenance, service and modifications of the unit are performed by the manufacturer or by an institution that is expressly authorised by the manufacturer.

6 WASTE DISPOSAL

The packaging mainly consists of environmentally-friendly materials that should be returned to the local recycling stations.



Do not dispose of this product with normal household waste. If this unit needs to be disposed of, please return it to the address that is stated below for proper disposal.

PHYWE Systeme GmbH & Co. KG
Customer Service
Robert-Bosch-Breite 10
D-37079 Göttingen
Germany

Telephone +49 (0) 551 604-274
Fax +49 (0) 551 604-246