

HM 500.01

Rotameter



The illustration shows a similar unit

Description

■ rotameter as accessory for HM 500

The rotameter is installed in the water circuit of the HM 500 trainer. The rotameter float is housed in a conical tube made of transparent PA which opens out in the direction of flow. The flow resistance of the float causes it to be subjected to an upward force. This force counteracts the downward gravitational force of the float. The float moves vertically until equilibrium is established between the two forces.

The flow rate is read from the scale by way of the resultant position of the float.

Learning objectives/experiments

- familiarisation with the principle of operation
- flow measurement
- plotting a pressure loss curve
- comparison with other flow meters

Specification

- [1] rotameter as accessory for trainer HM 500
- [2] conical tube through which flow passes, tube made of transparent PA
- [3] flow rate readable on scale via position of float
- [4] connections to facilitate pressure loss measurement with the HM 500
- [5] operation with water
- [6] vertical installation
- [7] all connections rated for HM 500 trainer

Technical data

Pipe connections: DN 32

Measuring ranges
flow rate: 200...2500L/h

LxWxH: 820x200x150mm
Weight: approx. 5kg

Scope of delivery

- 1 rotameter
- 1 set of instructional material

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Required accessories

HM 500 Flow meter trainer