

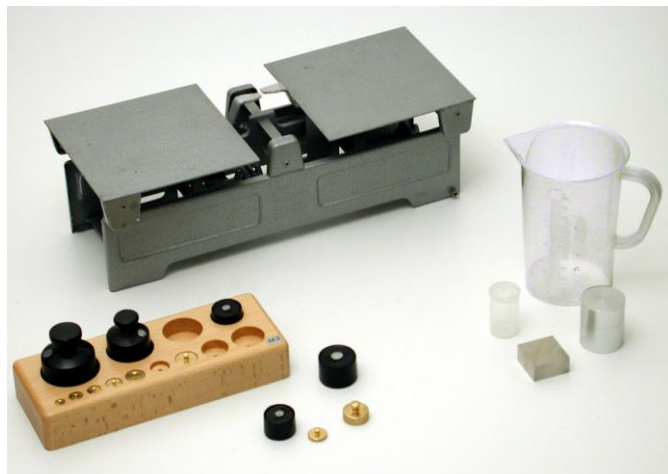
Common properties of bodies

Mass

Determining the mass of a body by means of a Roberval balance

Object of the experiment

1. Determining the mass of a body by weighing with a platform balance

Setup**Apparatus**

1 Laboratory balance	315 22
1 Set of weights, 1 g to 1000 g	315 34
1 Measuring beaker, 1000 ml	604 211
1 Gauge blocks, set of 2	590 33
1 Round tins with cap, set of 5	686 53ET5

Carrying out the experiment

- Put one body per measurement on a pan of the laboratory balance.
- Put weights on the other pan until equilibrium is established.
- Determine the total mass of the weights put on the pan.

Measuring example

Body	Mass m in g
cylinder	237
rectangular parallelepiped	246
jar	5
plastic beaker	100

Evaluation

The mass of a body can be determined by means of a platform balance.

For this the body is put on one pan and weights are put on the other pan until the balance is equilibrated.

The mass of the body corresponds to the total mass of the weights put on the pan.