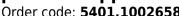


HELAGO-CZ, s.r.o. Commercial Register maintained by the Regional Court in Hradec Králové Section C, File 17879 Kladská 1082 500 03 Hradec Králové 3

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## Heat Equivalent Apparatus Order code: 5401.1002658





Cena bez DPH 915,00 Eur Price with VAT 1.107,15 Eur

**Parameters** 

Quantitative unit ks

Apparatus for determining the specific heat capacity of aluminum and for confirming the energy conservation law. The robust heat equivalent apparatus consists of a shaft with ball bearings at both ends, an integrated counter for measuring the number of revolutions performed and an attached table clamp for securing the device. The aluminum calorimeter body heats up as a result of frictional work or electrical energy from the integrated heating element. An NTC thermistor, acting as a temperature sensor and located in an aluminum case, determines the temperature. The calculation can be performed easily using the temperature calibration table printed on the apparatus.

• Length: approx. 230 mm

• Span of the table clamp: 10 - 65 mm

• Cord length: approx. 1,80 m

• Calorimeter body: approx. 50 × 48 mm dia.

• Electric heater power: 10 V, 1 A

• Heating element connection: 2 mm sockets

Weight calorimeter: approx. 250 g
Total weight: approx. 1 200 g

## **Contents:**

- 1 Basic unit
- 1 Aluminum calorimeter
- 1 Temperature sensor
- 1 Pair of adapter cables with 4 mm safety plugs / 2 mm plugs
- 1 Friction belt
- 1 Bucket, 5 l
- 1 Counterweight

## Additionally required for temperature measurement:

• 5401.U11155 Digital Multimeter

## Additionally recommended:

- 5401.U33020230 DC Power Supply, 0 20 V, 0 5 A (230 V, 50 / 60 Hz)
- 5401.U10366 Copper Calorimeter