

HM 240.02

Power meter



Learning objectives/experiments

- measurement of the power consumption of a fan
- measurement of the power consumption of a pump
- determination of the related characteristic curve

Specification

- [1] unit for measuring the consumed electrical active power of a consumer
- [2] power measurement unrelated to form factor

Technical data

Measuring ranges
power: 0...300W

230V, 50Hz, 1 phase

230V, 60Hz, 1 phase

120V, 60Hz, 1 phase

UL/CSA optional

LxWxH: 260x290x120mm

Weight: approx. 3kg

Scope of delivery

- 1 power meter
- 1 manual

Description

■ displaying the electrical power consumption of a consumer

The power meter HM 240.02 is part of a series of units that enable experiments to be performed on flow processes with the aid of a computer. It is connected between a consumer (HM 240 or HM 241) and the mains supply. Because the output is determined by a real-time multiplication of current and voltage, the measured result is unrelated to the curve shape and provides accurate measured results, even in the case of phase control.

The measured value is digitally displayed and is transmitted to HM 240 or HM 241.