HAUBER
ELEKTRONIK

Portable Measuring Instrument Type HE400

Measuring vibration velocity in line with DIN ISO 10816

Operating instructions

English

Operating instructions

Portable Measuring Instrument
Type HE400

Version: 27/04/2017

Attention!
Prior to putting the product into operation, the operating instructions must be read and understood.

Any questions should be addressed to:

HAUBER-Elektronik GmbH
Fabrikstrasse 6
D-72622 Nürtingen
Germany
Tel.: +49 (0) 7022 / 21750-0
Fax: +49 (0) 7022 / 21750-50
info@hauber-elektronik.de
www.hauber-elektronik.de

Scope of application of the operating instructions

These operating instructions apply to the Type HE400 portable measuring instrument.

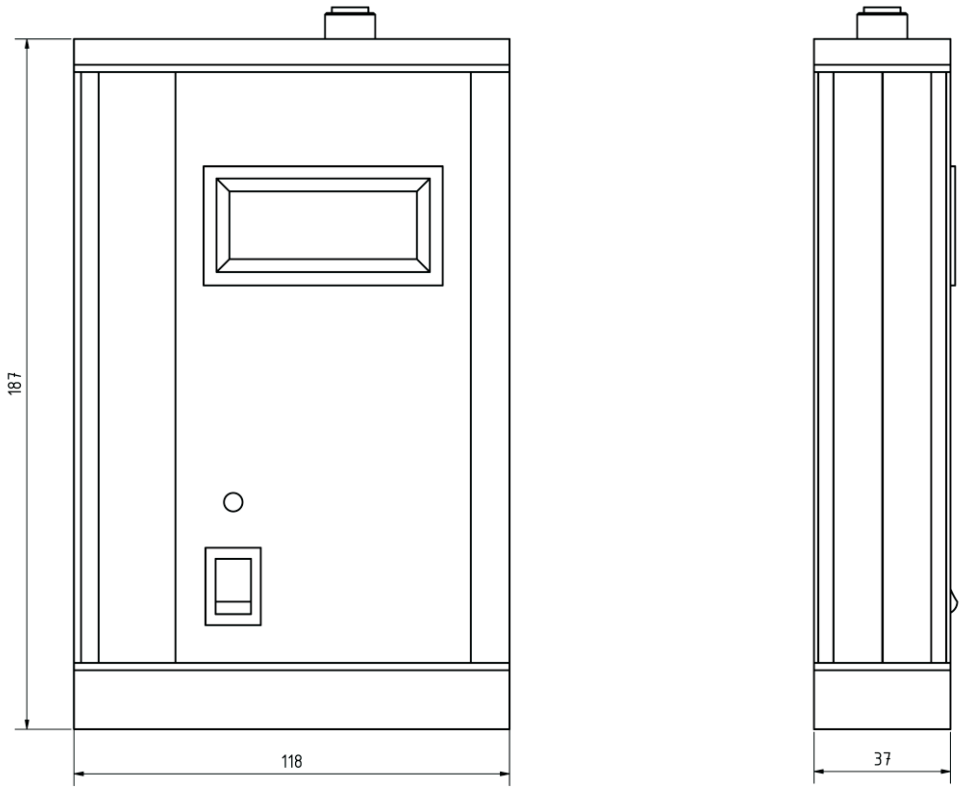
The Type HE400 portable measuring instrument

The portable measuring instrument is used for evaluating the output current of the Type HE100.00.16.00.00.00.000 vibration monitoring unit. To do this, the Type HE400 is connected to the output connector of the vibration monitoring unit with its connection cable. The Type HE400 acts as the power supply for the vibration monitoring unit. The vibration velocity calculated from the output current is displayed in mm/s rms. This is based on measurements on machines with rotating parts (as per DIN ISO 10816). The measurements are taken in order to detect machine damage and to protect against unexpected breakdowns. The Type HE400 is an easy-to-use and compact portable measuring instrument. The portable measuring instrument works with an interference-free input signal of 4–20 mA.
The measuring range is 0–16 mm/s rms at a frequency range of 10–1,000 Hz.

Intended use

The Type HE400.00.16.00 must only be used for evaluating the output current of the Type HE100.00.16.00.00.00.000 vibration monitoring unit. Its use is only permissible within the specification stated in these operating instructions.
Main fields of application: Vibration measurement on fans, ventilators, blowers, electric motors, pumps, centrifuges, separators, generators, turbines and similar oscillating, mechanical systems.

Housing dimensions



All measurements in mm.

Electrical data

Measurement range:	0–16 mm/s rms
Measurement accuracy:	± 10% (as per DIN ISO 2954)
Display accuracy:	± 1 decimal place
Input signal:	4...20 mA DC
voltage supply:	4 x AA battery or accumulator
(max.) power consumption:	25 mA
Temperature range:	0°C ... +50°C
Battery OK LED	• Lights up = Battery/accumulator is full • Does not light up: Battery/accumulator is empty

Mechanical data

Housing:	Aluminium
M12 connector material	CuZn (brass), nickel-plated
Weight:	Approx. 640 g
Protection class:	IP 40

Connections

Cable assignment	Pin 1: +24 V DC, voltage supply Pin 2: not connected Pin 3: 4–20 mA, current input Pin 4: not connected

Scope of delivery

1. Portable Measuring Instrument
   Type HE400.00.16.00
2. Vibration monitoring unit
   Typ HE100.00.16.00.00.00.000
3. 2 m connection cable
4. Magnetic clamp
5. Plug gauge
6. Case
7. Operating instructions