

Handheld-Meter Type 641



Instruction Manual

English

Instruction Manual

Handheld-Meter Type 641

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Attention!

Before Start-Up Procedure the Instruction Manual must be read and understood!

Should any question arise, please contact:

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Instruction Manual Scope

The present instruction manual is applicable for the Handheld-Meter Type 641.

The Handheld-Meter Type 641

The Handheld-Meter Type 641 is applied for output-current evaluations of the Vibration Sensors Type 640 and Type 664. Therefore the Type 641 is connected with the Vibration Sensor socket via its connection cable. Displayed is the resulting vibration velocity in mm/s.

The vibration velocity is calculated from measurements on machines with rotating parts, acc. ISO 10816. These measurements are made for the early detection of machine damages and the protection against unexpected breakdowns.

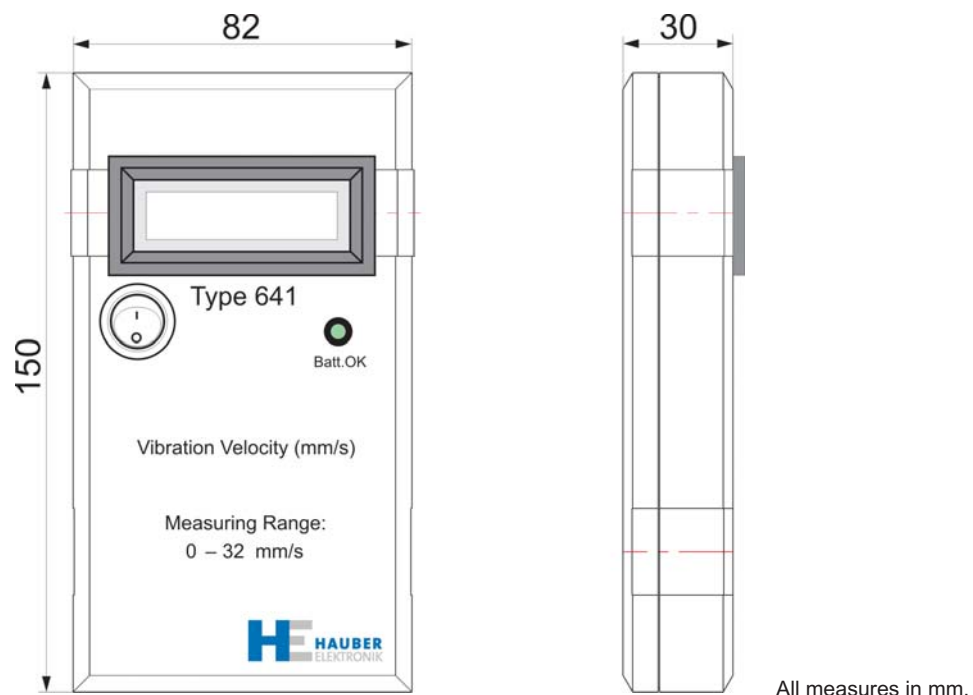
The Type 641 is a cost-effective, easy to handle Handheld-Meter in a compact design. The device uses a interference-free input-signal of 4...20 mA. The measuring-range will be specified at the time of ordering. It corresponds to the one of the Vibration-Sensor.

Intended Use

Type 641 may exclusively be used for output-current evaluations of the Vibration Sensors Type 640 and Type 664. Fielding is only valid within the specification of this Instruction Manual.

Main areas of application: Vibration Measurements on industrial fans, ventilators, blowers, electric motors, pumps, centrifuges, seperators, turbines and similar, oscillating equipment.

Housing Dimensions



Device will be delivered with fixed connection cable; **standard length: 2 m** (See cover and section "Connections").

Electrical Data

Measuring ranges:	0... 8 mm/s
	0... 16 mm/s
	0... 32 mm/s
	0... 64 mm/s
	0... 128 mm/s
	0... 256 mm/s
	0... 512 mm/s
	0... 1000 mm/s
Measuring accuracy:	± 5%
Display accuracy:	± 1 decimal place
Input signal:	4...20 mA DC
Voltage supply :	2 x 9 V-battery (6LR61) or accumulator
Power input (max.):	25 mA
Temperature range:	0°C ... +50°C

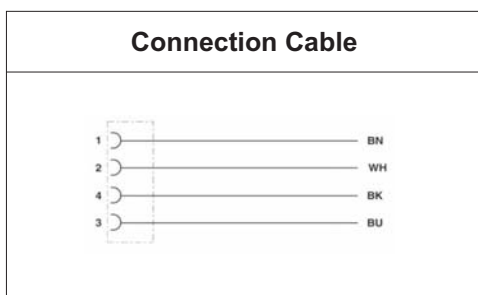


Type 641 has **one** of the listed measuring ranges. Further ones on request.

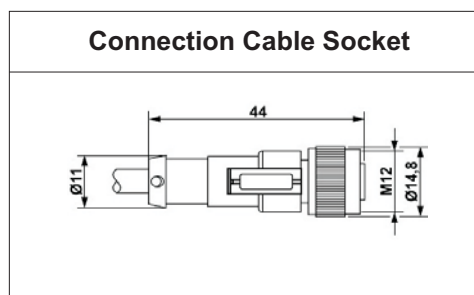
Mechanical Data

Housing Material:	plastik, polystyrol; color: light grey / agate grey
M12-connector material:	CuZn (brass), nickel plated
Weight:	ca. 340 g
Protection style:	IP 40

Connections



*PUR-sheathed-cable, 4-pol., 0,34 mm²,
Standard length = 2 m.*



*Connection Cable Socket M12, 4-pole,
0,34 mm².*

Cable Assignment	
Pin	
1:	+24 V DC, voltage supply
2:	nc
3:	4...20 mA, current input
4:	nc
nc = not connected	