

REOVIB SWM 1000

Acceleration and amplitude sensor for vibratory systems



Unique Selling Point

- Separate acceleration and amplitude measurements
- Robust IP 65 housing
- Interference free 0(4)... 20 mA signal

Description

Acceleration and amplitude sensor for vibratory systems. The sensor measures the amplitude of an electro-magnetic or motor -driven vibratory system and provides 0(4)...20 mA output signals for both acceleration and amplitude. The outputs from the sensor can be connected directly to a meter which has a 0(4)...20 mA input or used for monitoring e.g. conncted to a PLC.

Technical Data

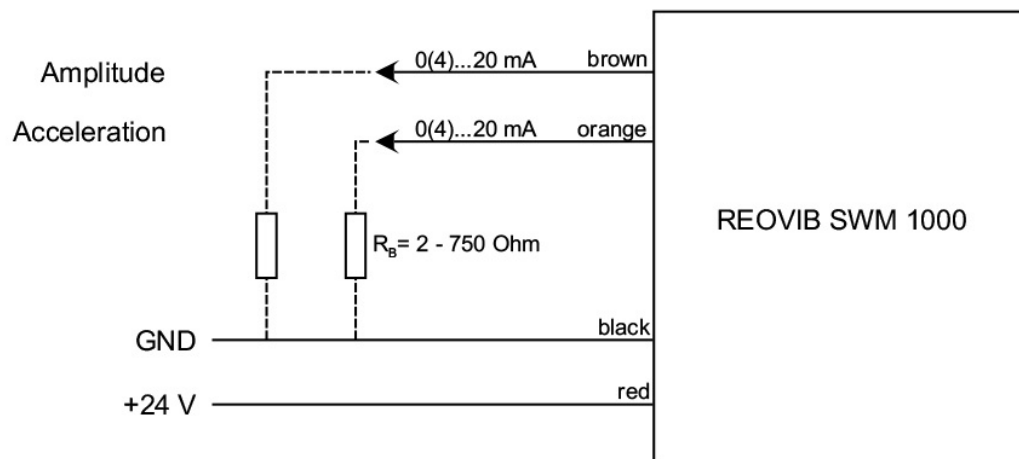
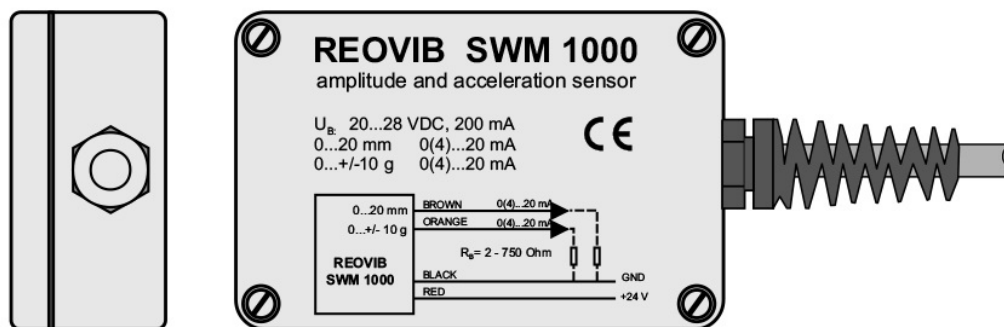
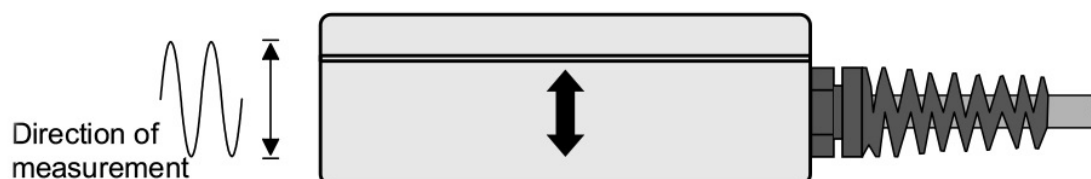
- Frequency range : 5...150 Hz

Input voltage	24 V, DC, 20...28 V. 2% Ripple
Output 1 measurement range	+/- 10 g (0...20 g), g=9.82 m/s Acceleration =Amplitude x 2
Acceleration	
Output signal	0(4)...20 mA
Load resistor	2...750 Ohm
Output 2 measurement range	0...20 mm (+/-10 mm), Amplitude=Amplitude x 2
Amplitude	
Output signal	0 (4)...20 mA
Load resistor	200...750 Ohm
Frequency range	5....150 Hz
Overload capacity	+/- 1000 g
Operating temperature	-10....+50 C
Cable length	5 m
Protection	IP 65
Dimensions	64 x 98 x 34 mm

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Connections



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Dimension Drawing

