

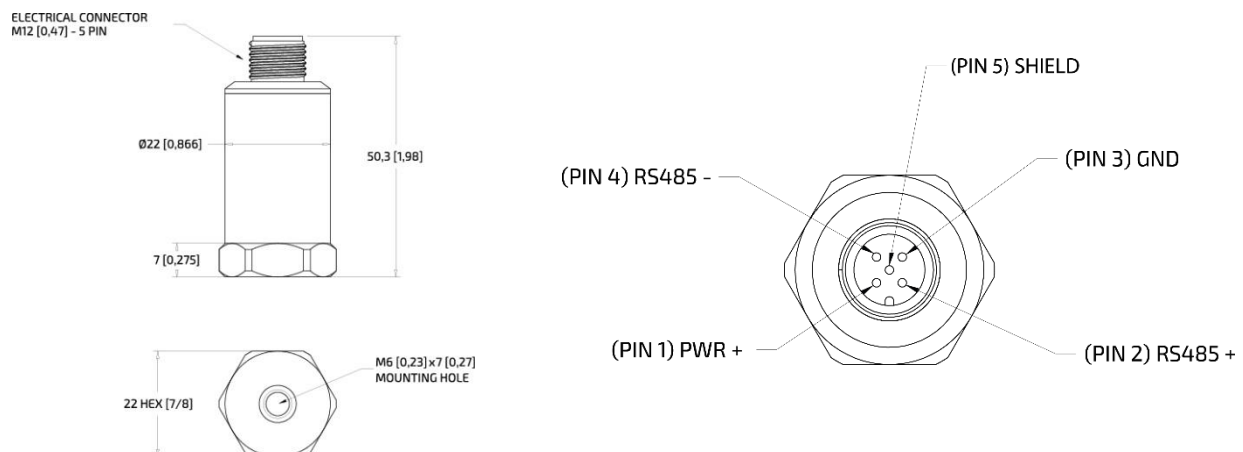
AVS 1001 HF

The **AVS 1001HF** module is a **single-axis**, miniature industrial vibration and temperature monitoring system with built-in signal processing, enclosed in a housing the size of a standard sensor.

The **AVS 1001HF** enables direct reading of parameters such as **acceleration Peak-to-Peak**, **acceleration RMS**, **velocity RMS**, **envelope Peak-to-Peak and RMS**, as well as **temperature** values directly from the module using any device supporting the **Modbus RS-485** communication protocol.



Dimensions



Accessories

For the **AVS 1001HF** modules, we offer:

- » AVS LINK – configuration tool
- » Threaded adapters (M6, M8, M10)
- » Magnets (with M6 female thread)
- » Adhesive mounting pads adhesive
- » T-connectors and splitters
- » Connection cables
- » M12 connectors

Technical Data

MEASUREMENT RANGE	
Number of measurement axes	1: Z
Measurement range [g]	± 50, peak
Frequency range [Hz]	1 to 11 000
ELECTRICAL DATA	
Operating voltage [V]	24
Current consumption [mA]	13
Reverse polarity protection	Yes
Sensor type	MEMS
OUTPUTS	
Interface	RS485 up to 115kbps (calculated parameters) RS485 1.5 Mbps (raw signal)
Calculated parameters	acc Peak, acc RMS, vel RMS,, env Peak, env RMS, Temp
Raw vibration signal	Yes
Maximum number on bus	100
ACCURACY / DEVIATIONS	
Error	± 0,1%
Temperature drift	± 5% (-40 °C ... +85 °C)
Transverse sensitivity	± 1%
Sensitivity	40 mV/g
Noise level	25 µg / √Hz
OPERATING CONDITIONS	
Working temperature [°C]	-40 °C ... +85 °C
Protection rating	IP67
MECHANICAL DATA	
Dimensions [mm]	Φ 22 x 50,3
Weight [g]	72
Mounting type	Threaded mounting hole M6 x 7
Material	Stainless steel housing
Tightening torque [Nm]	7
Connector	5 pin M12