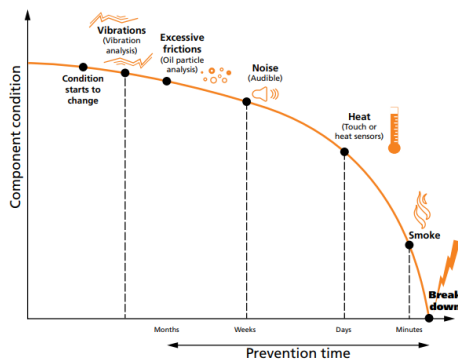


## ClimaCheck Vibration Sensor

ClimaCheck offers vibration sensors that can be installed on refrigeration systems to give early warning and reduce the risk of compressor failures or pipe failures.



### Vibration sensors

Two types of vibration sensors are offered. Both have an analog output (4-20 mA) indicating the vibration level, and one of them has a digital signal that alarms if the vibration level exceeds a set threshold during a set period of time.

The vibration sensors should be applied in the direction of centre of rotation. Magnet adapters can be used for portable inspections, and glue can be used for longer monitoring.

### Technical parameters

Parameters	VTV122 (500401)	VKV021 (500402)
Type of sensor	Microelectromechanical system (MEMS)	
Number of axes	1	
Measuring range	0 to 25 mm/s	
Supply voltage	9.6 to 32 VDC	
Frequency range	10 to 1000 Hz	
Accuracy	<3% of final value	
Repeatability	<0.5 %	
Linearity	0.25 %	
Analog output	4 to 20 mA	
Threaded adapters	¼"-28 UNF to M8 x 1.25 mm and ¼"-28 UNF to ¼"-28 UNF	
Cable length	10 m	
Digital output	-	Normally closed DC PNP
Delay	-	1 to 60 s
Operating temperature	-30 to 125 °C	-30 to 80 °C
Protection	IP67 / IP68 / IP69K	IP67
Housing material	stainless steel 316L	PBT, PC, FPM, stainless steel 316L
Weight	122 g	116 g
Height (without cable)	63.25 mm	73.1 mm

### Electrical connection

The vibration cables have 4 leads and are connected as below.

<b>Cable lead</b>	<b>Connection</b>
Brown	Supply voltage
White	Signal
Blue	Ground (only for 500402)
Black	Digital output (only for 500402)

### Accessories

To help mount the sensors, ClimaCheck offers two accessories.

<b>Part number</b>	<b>Description</b>
500 403	Magnetic mount
500 404	Fixing element (which can be glued)