

Technical specifications MV2

Product range

The **OneproD_{MV2}** range includes the following modules.

Types	Inputs	Monitoring
A2	2 accelerometers	2 acceleration levels
V2	2 accelerometers	2 velocity levels
AV	1 accelerometer	1 acceleration level 1 velocity level
T2	2 PT100 temperature probes	2 temperature levels
AT	1 accelerometer + 1 PT100 temperature probe	1 acceleration level 1 temperature level
VT	1 accelerometer + 1 PT100 temperature probe	1 velocity level 1 temperature level
D2	2 proximity probes	1 relative vibration level (pic to pic displacement)
P1	1 proximity probe	1 relative position level (GAP)

Setup

For each type of monitoring, the following parameters can be adjusted on site using micro-switches.

Parameter	Full scale	High pass filter	Low-pass filter
Acceleration in g ⁽¹⁾	10 ; 25	2.5 ; 5 ; 10 Hz	1 ; 2 ; 10 kHz
Velocity in mm/s ⁽¹⁾	10 ; 12.5 ; 15 ; 20 ; 25 ; 50	2.5 ; 5 ; 10 Hz	1 ; 2 ; 10 kHz
Displacement in μm ⁽²⁾	125 ; 200 ; 250 ; 500	X	1 ; 2 ; 10 kHz
Position in mm ⁽²⁾	0-0.5 ; 0-1 ; 0-2 ; 0-2.5 ; +/-0.5 ; +/- 1	X	X
Temperature in °C	50 ; 100 ; 150	X	X

Values in **bold face** correspond to default settings

(1) with 100 mV/g sensitivity accelerometer (2) with 8 mV/ μm sensitivity probe

Other features

- Time constant for detection with accelerometer or PT100 probe: 5s.
- Time constant for detection with proximity probe: 1s.
- Relay cut-off capacity: 0.5 A / 125Vac - 2A / 30Vdc
- Operation temperature: from 0 to 50°C
- Power consumption: 6W to 8 W under 24Vdc

