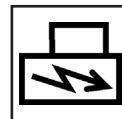




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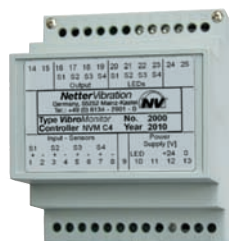
## Netter Vibration Monitoring System Series *VibroMonitor*



- Monitoring the operation of vibrators and impactors
- Constant checkup of vibration systems
- Control unit mounted on M36-DIN rail



NVM C1W



NVM C4



NVM S10

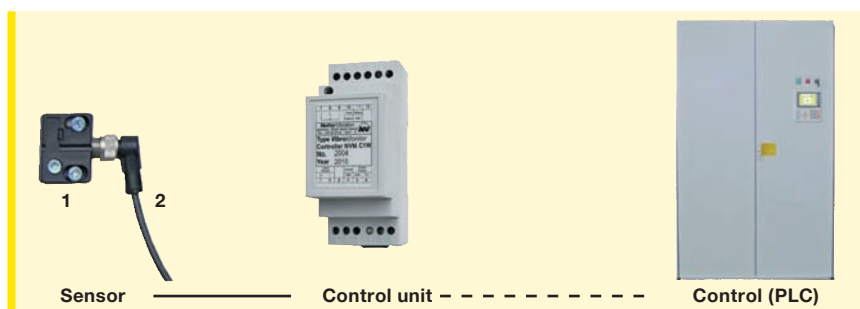


# NetterVibration



## Netter Vibration Monitoring System Series *VibroMonitor*

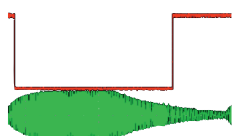
<i>VibroMonitor</i>	NVM C1W Control unit	NVM C4W Control unit	NVM C4 Control unit	NVM S10 Sensor
<b>Sensor inputs</b>	1 x unpolarised	4 x unpolarised	4 x unpolarised	
<b>Relay outputs</b>	1 x potential free change-over	4 x potential free change-over	–	
<b>Digital outputs</b>	1 x sensor status, NPN, max. 1 A		4 x sensor status, NPN, max. 8 mA	
<b>Setting</b>	–	2 x SET inputs	–	
<b>Status-LEDs</b>	1 x operating voltage control		1 x operating voltage control,	<b>Shock acceleration</b> max. 981 m/s <sup>2</sup>
	1 x sensor status	8 x sensor status	4 x sensor status	
<b>Fault</b>	1 x Fault output (cable break or short circuit)		4 x visual indicators	<b>Cable length</b> between sensor and control unit: max. 250 m
<b>Dimensions H x W x D</b>	70 x 35 x 90 mm	70 x 70 x 90 mm	70 x 70 x 90 mm	Ø 12 x 40, thread (plug) M12 x 1 x 1
<b>Mounting</b>	M36-DIN-standard rail (EN50022)			



### Accessories

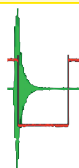
- 1 Sensor clamp support in plastic or rubberised stainless steel pipe clamp.
- 2 Elbow connector M12 x 1 or sensor connector cable with cast elbow connector M12 x 1

### Vibrator monitoring



The *VibroMonitor* output (red) shows the acceleration (green) exceeding the switching threshold\* of 9,81 m/s<sup>2</sup>.  
\*Can be adjusted in the factory.

### Impactor monitoring



The *VibroMonitor* output (red) holds its status for at least 450 ms. and therefore reliably records even short impacts (green). This signal length is treatable by standard commercial PLCs.

### Applications

The vibration monitoring system series *Vibro-Monitor* is used for the constant monitoring of impactors, vibrators and vibrating systems.

The *VibroMonitor* system reliably monitors the operation of vibrators and impactors, even in locations with difficult access.

### Design and function

The vibration monitoring system consists of sensor, connector cable and control unit. The control unit ensures the safe transmission of the sensor signal up to a maximum cable length of 250 m. Depending on the version up to 4 sensors can be supplied by a control unit.

The system displays two operating status informations per sensor: "Vibration" or "No vibration".

### Permissible operating conditions

#### Operating voltage:

24 V DC (+20% / -10%), < 5% residual ripple

#### Ambient temperature:

C1W and C4W: 0°C to 40°C  
C4 and S10: -20°C to 40 °C

*NetterVibration* offers the accessories required for the mounting, installation, control and monitoring of vibrators and impactors.

### Netter provides solutions.

Consult our experienced application technicians.

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