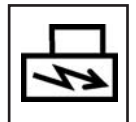




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Netter vibration monitoring system Series *VibroMonitor*



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



NVM C1



NVM C4



NVM S1



Netter vibration monitoring system Series *VibroMonitor*

<i>VibroMonitor</i>	NVM C1 Control unit	NVM C4 Control unit	NVM S1 Sensor
Sensor inputs	1 x unpolarsied	4 x unpolarsied	Cylindrical sensor made of stainless steel with 4-pin socket for round connectors M12 x 1 with cap nut and interlock.
Relay outputs	1 x potential-free change-over, max. 30 V DC, max. 2 A	–	Shock acceleration max. 981 m/s ²
Digital outputs	–	4 x sensor status, NPN, max. 8 mA	Cable length between sensor and control unit: max. 250 m
Status-LEDs	1 x operating voltage control, 1 x sensor status	1 x operating voltage control, 4 x sensor status	Ø 12 x 40, thread (plug) M12 x 1
Faults	1 x fault output (cable break or short circuit)	4 x visual indicators	
Mounting	M36-DIN-standard rail (EN50022)		
Dimensions H x L x W	70 x 35 x 90 mm	70 x 70 x 90 mm	

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Sensor

Control unit

Control (SPC)

Accessories

- Sensor clamp support in plastic or rubberised stainless steel pipe clamp.
- 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/s².
*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 SPCs.

Applications

The vibration monitoring system series *VibroMonitor* 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.

Construction and Working Principle

The monitoring system consists of up to four sensors with connector cables (max. 250 m) to one control unit. The control unit supplies the sensors with the operating voltage and evaluates the sensors' signals.

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:

–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.

Netter GmbH

Germany

Fritz-Ullmann-Str. 9
55252 Mainz-Kastel
Tel. +49 6134 2901-0
Fax +49 6134 2901-33

Switzerland

Erlenweg 4
4310 Rheinfelden
Tel. +41 61 8316200
Fax +41 61 8311291

Poland

Al. W. Korfantego 195/17
40-153 Katowice
Tel. +48 32 2050947
Fax +48 32 2051572

www.*NetterVibration*.com
info@*NetterVibration*.com