VM42-A/-H

Vibration Monitor
1 or 2-Channels

Features:
- Selectable low frequency range
- Selectable measuring Range
- Valbar strömsignal
- 2 Alarm levels with Relays
- Selectable time delay

Outputs:
- Analysis signal
- mA output (RMS)
- Relays
- Built-in display

VM42-A is available for accelerometers and **VM42-H** is available for velocity transducers.

Description

The transducer signal is compensated in the input amplifier to correct signal level and selected frequency range. This signal is available at the front panel BNC connector and on terminals for further analysis.

When accelerometer or velocity transducers are used the analysis, alarm and mA signals are always measured in velocity. This signal can be amplified in 2 selectable ranges 0-10 and 0-100 mm/s. Other ranges are optional.

The signal is converted to an RMS value. This DC-level is compared with the alarm levels. If the RMS level is higher than the alarm level a LED lamp is lit. If the RMS level stays higher then the alarm level during the whole selected delay time the relay is changing.

The RMS level is converted to a corresponding current output selectable between 0-20mA or 4-20mA. This signal is available on terminals for connection to other instruments or data logger.

Enclosure

Sealed (IP65), PVC box with transparent lid for overview of vibration levels, alarm settings and alarm status.

VM42 fulfils the following standards:
EN50081-1, EN55011 (B), EN50082-2, EN61000-4-2,-3,-4,-5