

# VIBTRANSMITTER VT1000

Versatile module for condition monitoring and diagnostics of machinery with constant and variable rotational speed



## DESCRIPTION

The VT1000 is a versatile, online condition monitoring and diagnostic system for constant and variable speed rotating machinery. The system is a perfect solution for automated protection systems of rotating machines. The system can be integrated with the control system using the 4..20mA current output. The AC 10Vpp output makes the device compatible with portable vibration meters (SMB connector).

## APPLICATION

The VT1000 module can be used for vibration-based condition monitoring and protection of devices such as: fans, pumps, mixers, separators, etc.

## KEY FEATURES

- ICP ® vibration sensor input
- sensor circuit control: OPEN/SHORT
- 4..20mA output
- vibration velocity or acceleration measurement
- RMS or PEAK calculation
- AC 10Vpp output (SMB connector)
- DIN rail mounting

## PARAMETERS

sensor type	100 mV/g
measured values	velocity or acceleration
calculated estimates	0-PEAK or RMS
default masurement range	0-100 mm/s or m/s <sup>2</sup>
power supply	24 VDC
power consumption	<4 W
low pass filter	1 or 10 kHz, 24 dB
high pass filter	3 or 10 Hz, 12 dB
in/out insulation	1 kV
current output	4..20mA
voltage output	AC, 10 Vpp max, SMB connector
output action delay	0-16 with 1 s increments
ALARM level	0-100%
WARNING level	0-100%
operational temperature	-20..+60°C
IP code	IP 40
humidity	<95% RH
dimensions	23x100x120 (WxHxL)