

VibroSmart® distributed monitoring system (DMS)

VibroSmart: Ideal for smaller machinery with low channel densities

VibroSmart from the Vibro-Meter® product line allows operators to cost-effectively monitor and protect critical smaller machinery – with no compromise on performance.

VibroSmart is a family of networkable devices developed to implement machinery protection system (MPS) and/or condition-monitoring system (CMS) solutions with a low-to-medium measurement channel density that can be installed wherever they are required.

Benefits

> Reduced installation costs

As VibroSmart devices are mounted directly on, or near, the machine, operators save on installation and wiring costs by up to 30%. The use of standard Ethernet cables helps simplify installation.

> Versatile solution

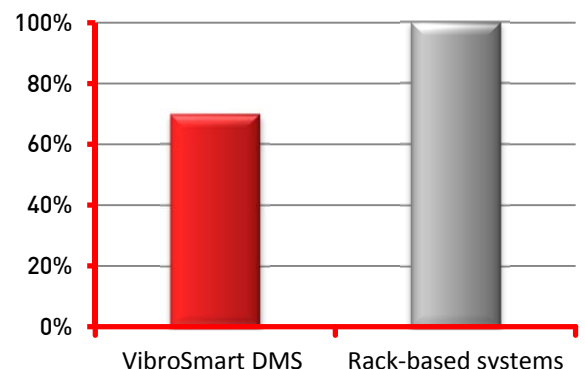
The VibroSmart VSV300 can process most types of signal – vibration, displacement and dynamic pressure. It can be configured to offer unique combinations of MPS and/or CMS functionality.

> As simple or as elaborate as you need

VibroSmart's modular structure is highly flexible and scalable. A single VibroSmart VSV300 can function as a stand-alone system or it can be combined with other VibroSmart devices to offer a networked monitoring system.



VibroSmart VSV300, VSI010 and VSN010 devices with an APFxxx power supply



Total installation costs compared to rack-based monitoring systems

> Trusted by the biggest names in the industry

50 years of sensor and systems expertise means our solutions are trusted by original equipment manufacturers (OEM) globally.

Meggitt Sensing Systems

Our product competencies and services:

Sensors and machine monitoring | Avionics displays | Inertial sensors | Ignition systems | Motion and position sensors
Performance sensing | Power systems

MEGGITT
smart engineering for
extreme environments

VibroSmart® distributed monitoring system

VibroSmart devices

VSV300 monitoring module

two dynamic channels and one auxiliary channel,
integrated relays and analogue outputs

VSI010 interface module

two industry-standard fieldbus interfaces

VSN010 real-time Ethernet switch

HSR ring network topology, communications gateway

VSA301 buffered output amplifier

transmits VSV300 module's buffered outputs over distances up to 500 m

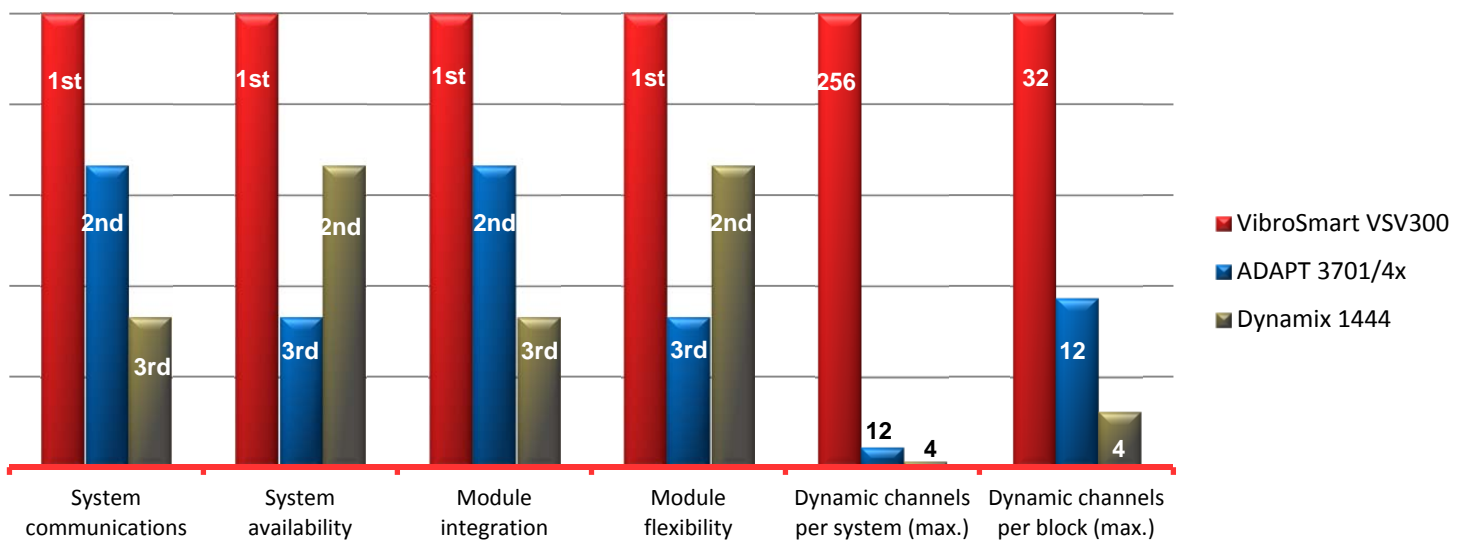
Accessories

APFxx +24 V_{DC} power supplies, VSAxxx BNC cable assemblies and patch panels, and VSExxx enclosures

VibroSight® software

used for configuration, operation and management of VibroSight monitoring system

Capabilities



System communications: how many types of external communications interfaces are supported, including the features and functionality

System availability: what features are included to improve system availability (ie redundancy and "hot-swapping")

Module integration: how many modules are required to implement a solution

Module flexibility: how configurable are the modules to fulfil multiple different applications

Certifications

- > Designed and developed in compliance with the API 670 standard for machinery protection systems
- > Certified for use in hazardous areas (potentially explosive atmospheres): ATEX Zone 2

Applications

- > Smaller rotating machines (<100 MW)
- > Power generation turbines, motors, pumps and other balance-of-plant equipment

Contact

Meggitt Sensing Systems

Rte de Moncor 04, 1701 Fribourg, Switzerland
Tel: +41 26 407 11 11 | energy@ch.meggitt.com | www.vibro-meter.com | www.meggitt.com

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