

Small condition monitor

The smallest monitor we've ever made!

# VM-25

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# A BOP\* monitor that is digital, compact and versatile!

\* BOP: Balance of Plant

Available for order in 8 combinations!

Based on years of experience, we designed a monitor with features and functions that are essential to monitoring vibration for balance of plant equipment. The VM-25 can be customized to suit your needs, and its compact design fits almost anywhere!



## Key features of the VM-25

### Compact design

The VM-25 can contain up to 5 modules. So whether it's a new installation or replacement of an existing system, it's small footprint only requires minimal space, measuring W160mm, H100mm, D113mm.

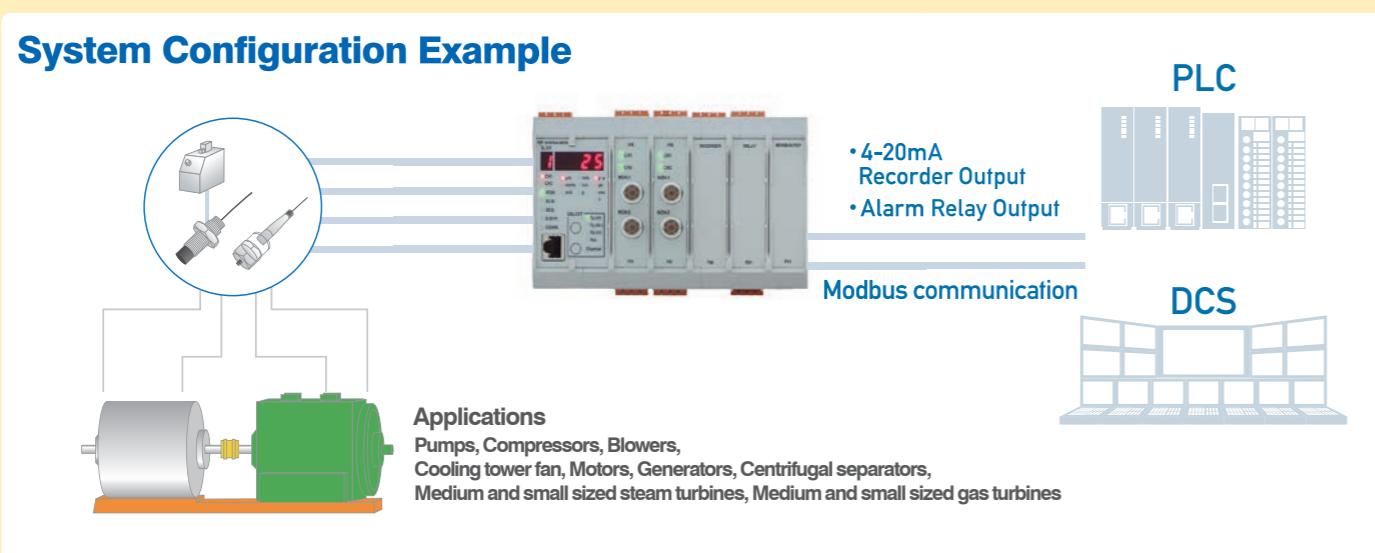
### Digital communication

A digital solution! Modbus communication to your PLC or DCS eliminates the need for wires, saving you valuable space along with time and money during installation and maintenance. For convenience, recorder output is also available.

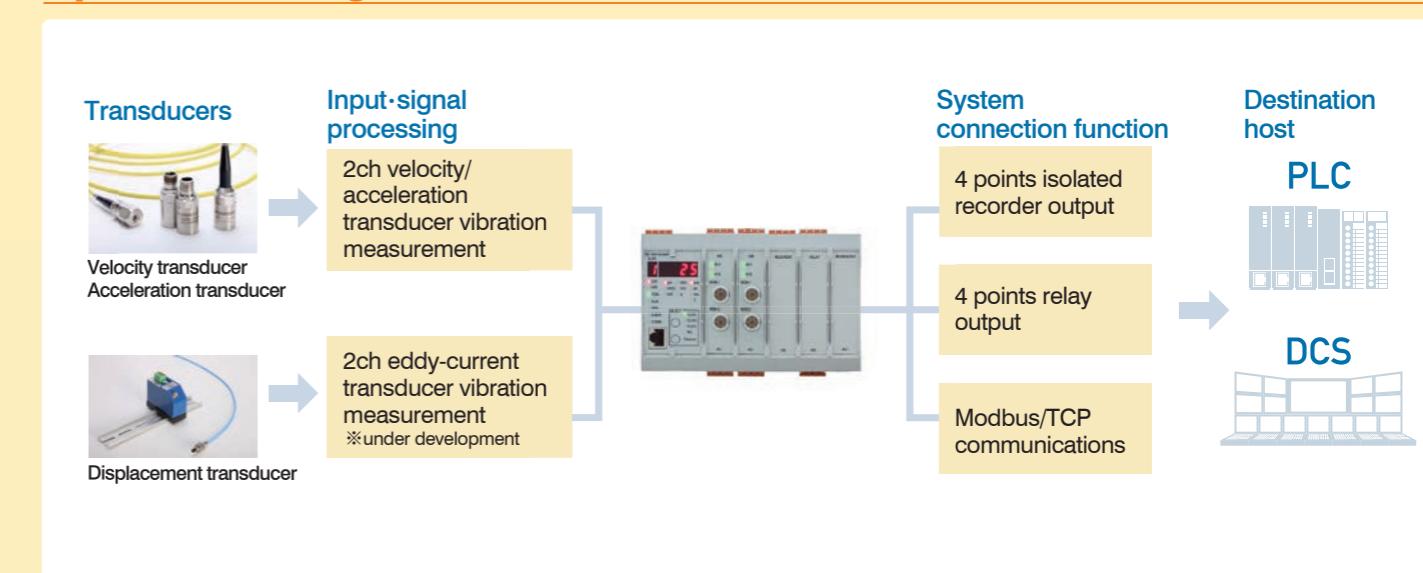
### Optimized features

The VM-25's optimized features means you only pay for what you really need! This saves you money and ensures the monitoring configuration suits your machine.

## System Configuration Example



## Optimized Configurations



## List of Features

### 2ch velocity/acceleration

2ch velocity/acceleration transducer vibration measurement enables you to measure casing vibration of rotating machinery.

### 2ch eddy-current

(※under development)

2ch eddy current transducer vibration measurement enables you to measure shaft vibration.

### 4 points isolated recorder output

Each vibration module can accept eddy current and velocity/acceleration transducers. Each module can provide 4 points isolated recorder output.

### 4 points relay output

Each vibration module has 4 relay output which can be programmed for AND/OR relay logic.

### Modbus/TCP communications

Digital Communication Output via Modbus and TCP using Ethernet.

## Primary specifications

Power supply	
Rated power	24VDC
Power supply voltage range	22~26VDC
Environmental condition	
Operating temperature	-20~+65°C
Approvals	
Safety standard	CE Marking (EMC directive, RoHS directive)
2ch velocity/acceleration transducer vibration measurement	
Number of inputs	2ch
Monitoring parameter	Acceleration vibration, velocity vibration, displacement vibration
2ch eddy-current transducer vibration measurement (※under development)	
Number of inputs	2ch
Monitoring parameter	Displacement vibration

4 points isolated recorder output	
Number of recorder output	4ch
Recorder output type	
4~20mA	
Contact output board	
Number of contact output	4 points
Contact type	Dry contact(SPDT)
Contact capacity	250VAC/2A, 30VDC/2A
Modbus/TCP communication board	
Input port	RJ-45
Protocol	TCP/IP

※The content of this brochure may change without prior notice.