

ROTATING MACHINERY MONITORING MODERNIZATION GUIDE

Planning Your Next Upgrade?
Find the Monitoring Platform That Fits Your Needs

Series / Type		VM-5 Series		VM-7B Series	VM-25 Series
		1-Slot Type	8/10-Slot Rack Type		
Appearance					
Features		• Compliant with API Std. 670 • Intuitive visibility via digital display and bar graph • Ideal for monitoring and protecting small- to medium-sized rotating machinery	• Compliant with API Std. 670 • Intuitive visibility via digital and bar graphs • Supports monitoring and protection of small- to medium-sized rotating machinery and steam turbines	• Compliant with API Std. 670 • Flexible design enabled by full digitalization • High-density packaging • Cybersecurity certification	• Compact vibration monitor • Field-replaceable design ideal for retrofits • Calibration Function (No Signal Generator Required) • Modbus communication
Maximum Number of Input Points per Rack		2 channels	16 channels (VM-5H rack) 20 channels (VM-5W rack)	44 ch	2 / 4 / 6 / 8 ch
Monitoring Parameters	Shaft vibration	VM-5K (2-channel input)		VM-701B (4-channel) Monitoring of vibration, shaft position, and differential expansion selectable in one module	VM-25M00 Selectable and configurable for each channel
	Acceleration Vibration	VM-5B (2-channel input)			
	Velocity Vibration	VM-5U (2-channel input)			
	Vibration (Dual-Path)	VM-5M (1-channel input)			
	Shaft Position	VM-5T (2-channel input)			—
	Eccentricity	VM-5C (1-channel input)		VM-703B (Rotation: 2 channels, Eccentricity: 1 channel)	—
	Rotation Speed	VM-5S (2-channel input)			—
	Other	Temperature, differential expansion, case expansion, steam control valve opening, zero speed, etc. TSI parameters			—
Communication	Vibration Analysis	—	—	○ (/ALY)	—
	Modbus	—	○	○	○
Dimensions (H × W × D) mm		199 × 38 × 359	VM-5H:199×482×425.2 VM-5W:199×583.6×425.2	266 × 482.6 × 350	99 × 158 × 113

Find the monitoring platform that best fits your application, installation space and future maintenance strategy.

For users of VM-3 or older systems, replacement kits, engineering support, compatibility consultation and global service assistance are available from the Shinkawa team. **Please contact us for details.**

