



Condition monitoring systems

Out of the control cabinet: vibration diagnostics directly in the field



Systems for vibration monitoring and diagnostics



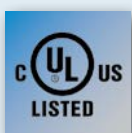
Robust IP 67 housing for decentralised use

Fast, error-free installation and retrofitting thanks to standard M12 connections

Six signal inputs collect all relevant data for condition monitoring

Integrated separation between automation and IT network

Compatible with all common acceleration sensors





For efficient and decentralised vibration diagnostics

The VSE9x diagnostic system can be mounted directly in the field thanks to its robust IP 67 housing. There it can evaluate up to four dynamic signals (e.g. acceleration) and forward the data via Ethernet or field bus. Two additional inputs (1x pulse signal, 1x analogue) can be used to collect further information relevant for condition monitoring, such as speed and temperature.

Easy integration even into existing systems

The IP 67 VSE is perfect for simple retrofitting of a vibration monitoring system to your existing installations. The complete IP 67 portfolio from ifm, which also includes switches, IO-Link masters, power supplies and edgeDevices, offers you maximum flexibility when retrofitting your system. Time, space and costs for installation are significantly reduced.



Type	Description	Order no.
	Diagnostic electronics TCP/IP	VSE903
	Diagnostic electronics PROFINET	VSE950
	Diagnostic electronics Ethernet/IP	VSE951
	Diagnostic electronics Modbus/TCP	VSE953




Secure connection via standard M12 connection

The acceleration sensors are connected to the VSE via standard M12 connection cable. This enables error-free installation and also ensures ingress resistance against external influences required in the field.





Further technical data

Operating voltage	[V DC]	19.2...28.8
Current consumption	[mA]	200
Number of dynamic inputs		4
Frequency range	[Hz]	0...12000
Dynamic input Resolution	[bit]	16
Number of digital inputs		1
Digital input Frequency range	[Hz]	0.1...100000
Number of analogue inputs		1
Resolution analogue input	[bit]	12
Number of digital outputs		2
Output function		normally open / normally closed
Number of analogue outputs		1
Ambient temperature	[°C]	0...60
Protection rating		IP 67
Housing material		Aluminium, anodised

Accessories

Type	Description	Order no.
	Ethernet switch	AL3050
	Ethernet switch with loop-through function power supply	AL3150
	Power supply IP 67	DN4234

Connection technology

Type	Description	Order no.
M12/M12 Ethernet and patch cable		
	1 m	EVC905
	5 m	EVC907
	10 m	EVC908
M12/RJ45 Ethernet and patch cable		
	1 m	EVC925
	3 m	EVC936
	5 m	EVC927
M12 connection cable		
	5 m	EVT398
	10 m	EVT399
	25 m	EVT400
M12 connector		
	Wirable	EVC812