



# Vibration Switch (VM-90A)

## Specifications

Item	Specification	
Frequency range	Acceleration	8Hz to 8kHz, -3dB (10Hz to 5kHz, ±1dB)
	Velocity	10Hz to 1kHz, ±1.5dB
	Displacement	10Hz to 300Hz, ±1.5dB
Measurement range	Acceleration	10, 100m/s <sup>2</sup>
	Velocity	10, 100mm/s rms
	Displacement	100, 1,000µmp-p
Alarm output	Individual level setting (upper 2 steps) : 10 to 100% Individual 1c contact : maximum capacity DC30 V, 1A Delay time setting : 1 to 10 seconds Automatic reset	
Level output	DC4 – 20mA (maximum load resistance 300Ω)	
Monitor output	AC3 VP-P full scale	
	DC2 V full scale	
Power supply	AC100 V±10V, 47 to 63Hz	
Power consumption	5VA or smaller	
Operational temperature / humidity range	0 to +50° C, 35 to 95%RH (non-condensing)	
Mass / Size	74(W) X 72(D) X 90(H)mm / approx. 250g	

## Standard composition

Item	Notes
Pickup (VP-A52IW)	Piesoelectric accelerometer
Pickup cable	5m long cable with a pick up connector and waterproof cap
Standard accessories	<ul style="list-style-type: none"> <li>● screw for pickup attachment M6, hexagonal hole</li> <li>● sems screw for main body installation</li> <li>● hex key wrench</li> <li>● instruction manual</li> </ul> (with test certification)

Other lengths available on request. (Maximum length is 200m)

## Option

Name	Remark
Mechanical filter (MCF-6)	Prevention of incorrect operation on displacement / velocity measurement. Elimination of high frequency component.