WM320

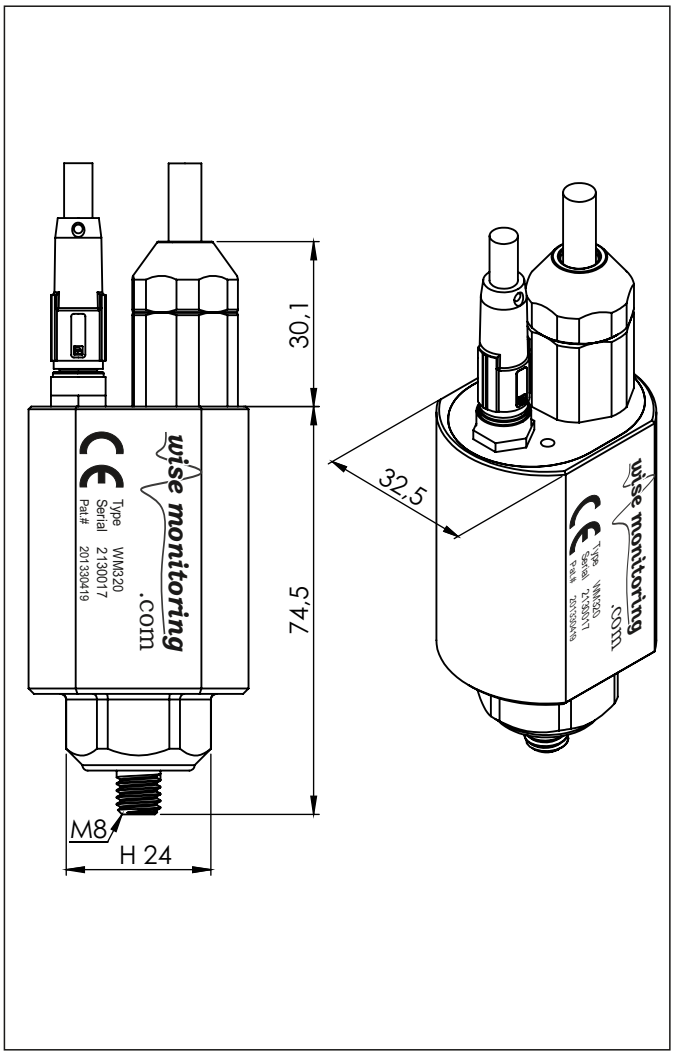
Triaxial vibration digital sensor

The WM320 vibration sensor measures three axis vibration, providing displacement, speed and acceleration values and their spectral analysis for equipment online protection and condition monitoring.

Typical aplications

Pumps
Coolers
Fans
Wind turbines
Compressors
Gearboxes
Crushers
Mixers
General equipment

Dimensions



Technical data

Vibration

Measuring range	±20 g
Precision	0.001 g
Frequency range	
	X axis 0.5 Hz-20 kHz
	Y axis 0.5 Hz-20 kHz
	Z axis 0.5 Hz-20 kHz

Power supply	POE
Communication	Ethernet
	MODBUS TCP
Connector	RJ45
Material	AISI 304
Operation temperature	-40º a 85ºC
Sealing	IP 65
Weight	240 g

WM320 vibration sensor is a patented device under patent number 201330419

The sensor includes ADC module, DSP microprocessor and memory to analyze the signal at the measuring point and manage an interface web server for user access to information and configurable alarms.

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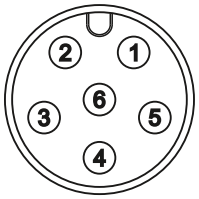
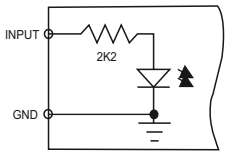
Connector pinout Digital Input / Output

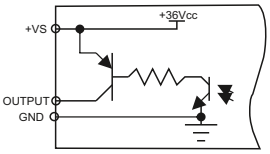


In1	BROWN
In2	WHITE
+Vext	BLUE
Out1	BLACK
Out2	GREY
0v	PINK

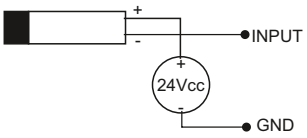
Internal isolated input circuit



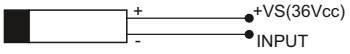
Internal isolated output circuit



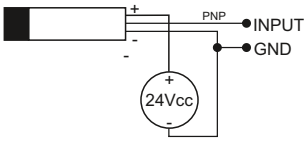
External powered two-wire inductive sensor



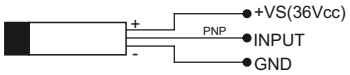
Internal powered two-wire inductive sensor



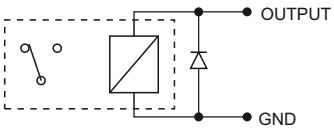
External powered three-wire pnp sensor



Internal powered three-wire pnp sensor



Internal powered 36VDC external relay coil



External powered 24VDC external relay coil