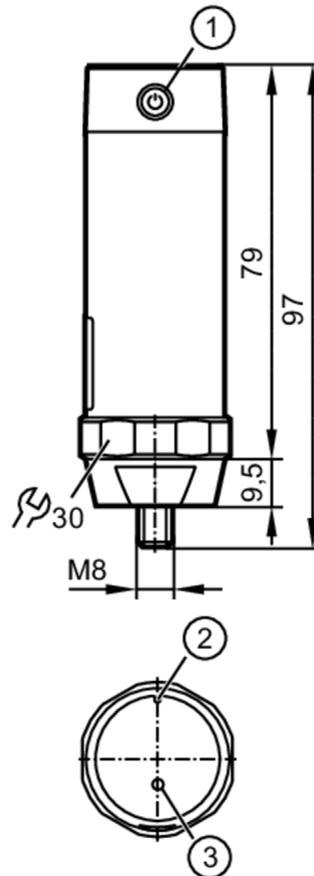




Wireless vibration sensor

VIBRATION SENSOR WIRELESS



- 1 mains switch
- 2 notch for orientation
- 3 status LED



Product characteristics

Measuring range of vibration [g]	-16...16
Measuring range of vibration [mm/s]	0...25
Frequency range [Hz]	10...1000

Application

Application	vibration sensor to ISO 10816
Radio approval for	USA; Canada; EU/RED; Australia; Brazil
Note on radio approval	The list of countries applying the European Radio Equipment Directive 2014/53/EU (RED) can be found under "Downloads".

Electrical data

Operating voltage [V]	3.6 DC; (lithium thionyl chloride battery; battery life: > 4 years battery cannot be replaced)
Protection class	III
Sensor type	microelectromechanical system (MEMS)

Measuring/setting range

Measuring range of vibration [g]	-16...16
Measuring range of vibration [mm/s]	0...25
Frequency range [Hz]	10...1000

VWV001



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Number of measurement axes	1
Temperature measurement	
Measuring range [°C]	-30...80
Resolution [°C]	0.1
Accuracy / deviations	
Accuracy	≤ 10 %
Linearity deviation	≤ 10 %
Software / programming	
Parameter setting options	MQTT
Interfaces	
Frequency band	2,4 GHz ISM
Range	< 25 m
Safety standard	AES-128
Protocol	proprietary
Operating conditions	
Ambient temperature [°C]	-30...80
Note on ambient temperature	-20...55 °C recommended temperature for maximum battery life
Storage temperature [°C]	-30...80
Protection	IP 68
Tests / approvals	
EMC	DIN EN 61000-6-2
	DIN EN 301489-1
	DIN EN 301489-17
Mechanical data	
Weight [g]	177.1
Type of mounting	set screw; (M8)
Materials	housing: stainless steel (316L/1.4404); polyethylene
Tightening torque [Nm]	8
Accessories	
Items supplied	Mounting adapter
Remarks	
Pack quantity	1 pcs.