



Sensors > Vibration Sensors > LoRaWAN Wireless Vibration Sensors



Accelerometer Type: **Wireless**

Vibration Sensor Product Type: **Wireless Accelerometers**

Wireless Application: **LoRaWAN**

Frequency Band: **868 MHz**

Number of Sensing Axes: **Uniaxial**

[All LoRaWAN Wireless Vibration Sensors \(12\)](#)

Features

Product Type Features

Accelerometer Type	Wireless
Vibration Sensor Product Type	Wireless Accelerometers

Signal Characteristics

Frequency Band	868 MHz
Frequency Response	2 to 15000 Hz

Body Features

Primary Product Material	316L Stainless Steel, Polymer
Product Weight	200 g[7.05 oz]
Number of Sensing Axes	Uniaxial

Usage Conditions

Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]
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Industry Standards

IP Rating	IP67
Wireless Application	LoRaWAN
Hazardous Area Approval	Yes

Other

Overall Acceleration Range (±)	50 g
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 <p>TE Part # 20025127-30 8911N-EX-E, EU 868MHz with accessories</p>	 <p>TE Part # AC-A04209 MAGNET MOUNTING ADAPTOR</p>	 <p>TE Part # AC-D04210 ADHESIVE MOUNTING ADAPTOR 8011</p>	 <p>TE Part # AC-D03636 1/4-28 TO 1/4-28 ADAPTER</p>
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Documents

Datasheets & Catalog Pages

[8911N WIRELESS VIBRATION SENSOR](#)

English

Product Specifications

[Product Specification](#)

English

Agency Approvals

[EU Type Examination Certificate EPS 21 ATEX 1 163 X Rev 02](#)

English

[PRODUCTION/PRODUCT QUALITY ASSURANCE NOTIFICATION Presafe 18 ATEX 3158Q](#)

English