

# SX3 VIBRATION SENSOR

## Key Features

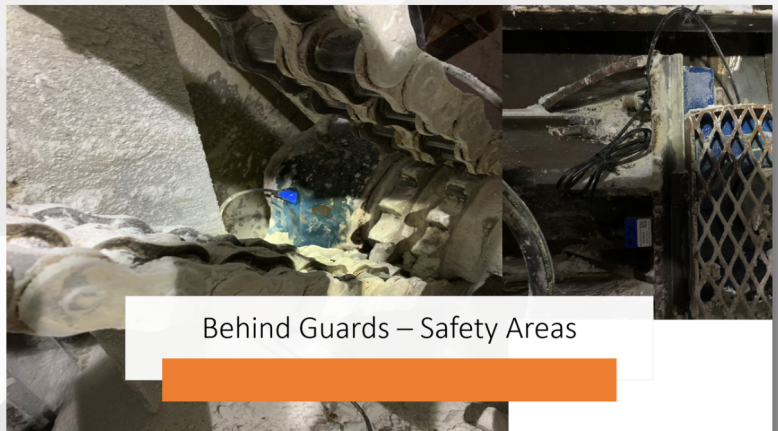


- Triaxial 20kHz sensor + temperature +/-40g
- 2,500 Hz FMAX (150,000 CPM)
- Frequency down to DC / Velocity down to 3Hz (180 CPM)
- 16-bit ADC resolution
- Up to 6 second time waveforms for 15,000 lines of spectral resolution per axis in FFT
- 30,000 per axis, per 6 second sample = 90,000 records + temperature
- Capable of 128-bit AES encryption
- Encrypted communication between sensor processor and Bluetooth Low Energy (BLE5) Appliance

- Edge Appliance processing control and data management
- 6-foot cable (standard) between sensor and battery, communications (custom lengths available up to 72 feet)
- Up to 2,000 feet communications range subject to environment (normal 900 feet) for communication tag to Appliance
- -40°C to 85°C temperature range
- Sensor temperature reports up to 218°F
- Typical 2 to 3-year battery life with field replaceable battery (based on regulated sampling)
- Class 1 Division 2 certified Wireless Sensors
- Option for LTE cellular communication
- Place Small Sensor Where it needs to go Behind Safety Guards - in hard to reach places on bearings.
- Place Communication Edge Device for Best RF connection - optimizing overall solution success



SCAN ME



Behind Guards – Safety Areas





MET Labs

# Certification Record

Listing#: E114978  
Report #: 105730  
Original Certification Date: March 27, 2020  
Revised Certification Date: N/A

This Certification is issued to:  
SpaceSense Corporation  
3714 Alliance Drive, Suite 105  
Greensboro NC 27407



Stating that the product(s):  
SX3 Vibration Sensor and Communication TAG  
SX3\_FSC-BT616

Achieved Certification to the following standard(s):  
ANSI/ISA-12.12.01-2015: Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations;  
Approved 21 August 2015; Second Printing 17 November 2015  
CAN/CSA C22.2 No. 213-16: Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations; Second Edition, 11 May 2016  
UL 61010-1/CSA C22.2 No. 61010-1:2010, Third Edition, Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements

Cedric Valiente  
Project Engineer,  
Eurofins MET Labs Safety Laboratory

*All changes proposed in the previously identified product that affects the above information must be submitted to Eurofins MET Labs for evaluation prior to implementation to assure continued MET Certification status.*

*The covered product(s) shall be subject to follow-up inspections to ensure that the Certified product(s) are identical to the product sample evaluated by Eurofins MET Labs and that all manufacturer's responsibilities are being fulfilled as specified in the Manufacturer's Responsibility section of the Certification report. The applicant named above has been authorized by Eurofins MET Labs to represent the product(s) listed in this record as "MET Certified" and to mark this/these product(s) according to the terms and conditions of the MET Applicant Contract, MET Listing Reports, and the applicable marking agreements. Only the product(s) bearing the MET Mark and under a follow-up service are considered to be included in the MET Certification program. This certification has been granted under a System 3 program as defined in ISO/IEC 17067.*