



# CERTIFICATE OF COMPLIANCE

**Certificate Number:** SGSNA/20/BAS/00007

**Contract Number:** 800677

**Certificate Project Number:** BAS-CERT200800007

**Certified Product:** Vibration Sensor

**Trademarks:** -

**Model(s):** Machine Sentry MSF-1

**Technical Data:** Designed to be powered by EVE ER26500 C Size 3.6V Lithium-thionyl Chloride Battery

**Certificate Holder:** AVT Reliability Ltd  
Unit 2 Easter Court, Europa Boulevard, WA5 7ZB, Warrington, Cheshire, United Kingdom

*This certificate supercedes previous certificates issued with the same certificate number. Certification is valid when products are indicated on the SGS directory of certified products at [www.sgs.com](http://www.sgs.com) or using the QR code below. The product is certified according to ISO/IEC Guide 17067, Conformity assessment - Fundamentals of product certification, System 3, and in accordance with:*

UL 61010-1, 3rd Ed. May 11, 2012

CAN/CSA C22.2 No. 61010-1-12, 3rd Ed. (R2017)

**Authorized by:**

**Effective date:** 21 August 2020



David Brearley  
Certifier



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**Certification Body**

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**General product information:**

The Machine Sentry MSF-1 is a battery powered measurement device designed to measure the vibration of equipment. The equipment uses accelerometers to measure the vibrations in 3-axis of measurement.

The equipment can be either permanently attached to the equipment it is measuring using adhesive or mounting stud, or can be temporarily attached using a permanent magnet. The measurement information is then transmitted using Bluetooth communications to suitably certified data acquisition equipment.

The equipment comprises a single printed circuit board that is fully encapsulated in a plastic sub-assembly which also holds the battery. The assembly is fitted inside a cylindrical stainless steel enclosure with a polycarbonate cap fitted on the top to permit Bluetooth communications. The bottom of the enclosure is fitted with a threaded lid allowing access for the battery to be replaced.

The Machine Sentry MSF-1 is designed to be powered by an EVE ER26500 C Size 3.6V Lithium-thionyl Chloride (Li-SOCl<sub>2</sub>) Battery.

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