



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	IECEX ETL 15.0022	issue No.:2	Certificate history: Issue No. 2 (2016-4-22) Issue No. 1 (2015-7-14) Issue No. 0 (2015-5-15)
Status:	Current		
Date of Issue:	2016-04-22	Page 1 of 4	
Applicant:	<b>ITT - Industrial Process</b> Operating as: Goulds Pumps Inc or ITT Industries, Goulds Pumps 240 Fall Street; Seneca Falls, NY 13148 <b>United States of America</b>		
Equipment:	<b>Condition Monitor (i-ALERT)</b>		
Optional accessory:	None		
Type of Protection:	<b>Intrinsic Safety (ia)</b>		
Marking:	IECEx ETL 15.0022 Ex ia I Ma; Ex ia IIB T4 Ga; Ex ia IIIC T135°C Da		
Approved for issue on behalf of the IECEx Certification Body:	Don Card		
Position:	Certification Officer		
Signature: (for printed version)	_____		
Date:	_____		

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Intertek**  
 3933 US Route 11 South  
 Cortland NY 13045-2995  
 United States of America



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Manufacturer:	<b>ITT - Industrial Process</b> Operating as: Goulds Pumps Inc or ITT Industries, Goulds Pumps 240 Fall Street; Seneca Falls, NY 13148 <b>United States of America</b>		
Additional Manufacturing location(s):			
<p>This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.</p>			
<b>STANDARDS:</b>			
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:			
<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements		
<b>IEC 60079-11 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"		
<b>IEC 60079-26 : 2006</b> Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga		

*This Certificate does not indicate compliance with electrical safety and performance requirements other than those*

expressly included in the Standards listed above.

**TEST & ASSESSMENT REPORTS:**

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

US/ETL/ExTR15.0021/00

US/ETL/ExTR15.0021/01

US/ETL/ExTR15.0021/02

Quality Assessment Report:

NO/PRE/QAR15.0042/00



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**Schedule****EQUIPMENT:**

Equipment and systems covered by this certificate are as follows:

The product is a data acquisition device with respect to vibration. This device takes vibration from a pump using a sensor (accelerometer). The data is then manipulated by a digital signal processor to do analysis. This analysis is then stored into memory. This stored data is then transferred to the user via low energy Bluetooth to an iPhone using an app when requested. The product is battery powered and for fixed installation. The product employs intrinsic safety for type of protection for use in hazardous locations. The product's enclosure is comprised of a housing cover and encapsulation to cover the PCB Assembly and battery. The encapsulation serves as an enclosure and not as a protective feature under intrinsic safety protection type with the exception of encapsulating the fuse. Intrinsic safety is provided by use of limited cell energy and power, protective fuse and resistors, and protective spacings, accordingly. The completed enclosure assembly/system provides adequate ingress protection (greater than IP20).

Please see Annex 1 for Manufacturer's Documentation.

**CONDITIONS OF CERTIFICATION: NO**

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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

- 1. CHANGE: NB # from 0575 to 2460
- 2. CHANGE: MAX AMBIENT from +84°C to +60°C
- 3. CHANGE: TCODE from T3 to T4
- 4. CHANGE: TCLASS from T200°C to T135°C

**Annex:** Annex 1 IECEX ETL 15\_0022.pdf