



(1) **Statement of Conformity**
(Translation)

(2) Equipment and protective systems intended for use in potentially explosive atmospheres –
Directive 2014/34/EU

(3) Certificate No.

LU 15 ATEX 0131 X
1. Addendum



(4) Equipment: **Vibration sensor, type 663**

(5) Manufacturer: HAUBER-Elektronik GmbH

(6) Address: D-72622 Nürtingen

(7) The type of construction of this equipment and any acceptable variation thereto is specified in the schedule for this certificate.

(8) The testing laboratory Leumann & Uhlmann AG certifies that the Essential Health and Safety Requirements for the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres as set out in Annex VIII "Internal Control of Production" of the Directive are complied with.
Test results are recorded in confidential Test Report LU Ex 15-0131 X.

(9) Conformity with the Essential Health and Safety Requirements is safeguarded by compliance with:

**EN 60079-0:2012+A11:2013; EN 60079-1:2014; EN 60079-15:2010;
EN 60079-31:2014**

(10) A certification number followed by an "X" indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule of this certificate.

(11) This Statement of Conformity only relates to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and the marketing of this equipment. These requirements are not covered by this certificate .

(12) The marking of the equipment shall include the following:

Ex II 3 G Ex d nA IIC T4 Gc

Ex II 3 D Ex tc IIIC T125 °C Dc

Testing Laboratory Explosion Protection
Head of Testing Laboratory

Muttenz, 22. August 2019

Felix Leumann
Dipl. El.- Ing. HTL





(13)

Schedule

(14)

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(15) Description of equipment

The sensor of type series 663 is used for sensing absolute bearing vibration of machines on the basis of the DIN ISO 10816 Standard. The sensor can be used for monitoring rotating machines, such as centrifuges, large fans, turbines, generators, spindles, etc.

(16) Test Report LU Ex 15-0131 X

(17) Special conditions

1. The mains supply for the incoming cable must be protected with a 160 mA medium time-lag fuse with breaking capacity C.
2. Ambient temperature / measuring head temperature
Ambient temperatures must be limited to:
 $-25\text{ °C} \leq T_a \leq +60\text{ °C}$
The measuring head temperature around its fixing point must be limited to:
 $-25\text{ °C} \leq T_{\text{meas.head}} \leq +85\text{ °C}$
3. The plug connector must never be separated when the system is alive.
4. Suitable organisational measures must be taken to ensure that the separated plug connector will always be de-energised.
5. The plug connector meets the requirements of the reduced impact test.
6. Any loose sensor connection must be taken out to a terminal box, which must comply with the category required for the potentially explosive atmosphere in which it is used.

Note for manufacturing and operation

When operating the sensor, observe and comply with the thermal threshold values of the connection and the connecting cable.

(18) Essential health and safety requirements

The tests and the favourable results these have produced show that the sensors meet the requirements of directive 2014/34/EU as well as those of the standards specified on the cover sheet.

Testing Laboratory Explosion Protection
Head of Testing Laboratory

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