



Leumann & Uhlmann AG

(1) **CONFORMITY STATEMENT**  
(Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 94/9/EC**

(3) Certificate Number:

**LU 09 ATEX 0071 X**



(4) Equipment: **Vibration-Sensors Type 648....2**

(5) Manufacturer: HAUBER-Elektronik GmbH

(6) Address: D-72622 Nürtingen

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The company Leumann & Uhlmann AG testing laboratory STS 421 on the basis of the Council Directive 94/9/-EC of 23. March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report LU Ex 05-0012X

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2006 EN 60079-15:2005 EN 61241-0:2006 EN 61241-1:2004**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate

(11) This Conformity Statement relates only to the design and construction, of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

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

**II 3 GD Ex nC II T4 Ex tD IP 55 T125 °C**

Prüfstelle Explosionschutz

Dipl. El.-Ing. HTL  
Leiter Prüfstelle



Muttenz, 25. November 2009

Conformity Statement without signature and official stamp shall not be valid. The certificates may be circulated only without alteration.  
Extracts or alterations are subject to approval by the Leumann & Uhlmann AG, 4132 Muttenz.  
In case of dispute, the german text shall prevail.  
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sheet 1/2



Leumann & Uhlmann AG

(13)

## Schedule

(14)

## CONFORMITY STATEMENT LU 09 ATEX 0071 X

(15) Description of the equipment

For the protection of machineries and plants from prohibitive strong vibrations, A practical example are cooling towers, centrifuges, industrial ventilations, turbines, generators, spindles and other machineries.

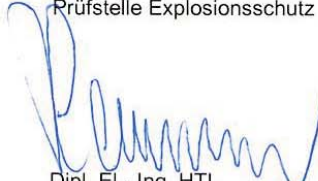
(16) Report LU Ex 05-0012 X

(17) Special conditions for safe use

1. The network supply of the power line must be secured with a medium time lag fuse 100mA with the switch off capacity C.
2. Surrounding temperature/Measure head temperature  
The surrounding temperature has to be restricted to:  
 $-40\text{ °C} \leq T_a \leq +60\text{ °C}$   
The temperature of the measure head in the vicinity of the mounting has to be restricted to:  
 $-40\text{ °C} \leq T_{\text{measure head}} \leq +100\text{ °C}$ .
3. Plugs must not be disconnected under life voltage (Danger of Explosion).
4. Through organised measure steps it has to be taken that the disconnected plug-in-connection is always without voltage.
5. The plug-in-connection must be mechanically secured against unintentional disconnection

(18) Essential health and safety requirements

Met by compliance with the standards mentioned above.

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sheet 2/2