

[1] **TYPE EXAMINATION CERTIFICATE**
(Translation)



[2] **for electrical equipment of Equipment Group II, Equipment Category 3**

[3] Type Examination Certificate Number: **IBExU05ATEXB0003 X**

[4] Equipment: Instrument sensor Type GEMÜ 1270/1271

[5] Manufacturer: GEMÜ® Apparatebau GmbH und Co. KG

[6] Address: Fritz-Müller-Str. 6-8
74653 Ingelfingen, Germany

[7] The design of the equipment mentioned under [4] and any acceptable variation thereto are specified in the schedule to this Type Examination Certificate.


[8] IBExU Institut für Sicherheitstechnik GmbH certifies that the equipment mentioned under [4] has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The test results are recorded in the Test Report IB-05-3-091 of 3rd June 2005.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-15:2003.

[10] If the sign „X“ is placed after the certificate number and the marking under [12], it indicates that the equipment is subject to special conditions for safe use specified under [17] in the schedule to this Type Examination Certificate and in the instruction.

[11] This Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this directive apply to the manufacture and supply of this equipment.

[12] The marking of the equipment mentioned under [4] shall include the following:

 **II 3G EEx nA II T6**
-20 °C ≤ T_a ≤ +60 °C

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Freiberg, 6th June 2005

By order

(Dr. Lösch)

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- Stamp -

Certificates without signature and stamp are not valid.
Certificates may only be duplicated completely and unchanged.
In case of dispute, the German text shall prevail.

Schedule

[13] **Schedule**

[14] **to TYPE EXAMINATION CERTIFICATE IBExU04ATEXB003 X**

[15] **Description**

The measuring transducer is used to measure the level of the float of flowmeter according the variable area principle. A reed switch chain actuates an voltage divider. The electric connection is carried out by a plug-type connector.

Technical data

Nominal voltage: $\leq 24\text{VDC}$

Degree of protection: IP 65

Ambient temperature range: $-20\text{ }^{\circ}\text{C}$ up to $+60\text{ }^{\circ}\text{C}$

[16] **Test Report**

The test results are recorded in the Test Report IB-05-3-091. The test documents are part of the Test Report and listed there.

Summary of the test results:

The Instrument sensor GEMÜ 1270/1271 fulfills the requirements of explosion protection for electrical apparatus of explosion protection for Equipment Group II and Equipment Category 3G, Type of Protection ,n'.

[17] **Special conditions for safe use**

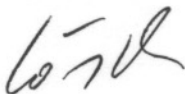
The Instrument sensor must be assembled and protected-against high impact energy. With standard plug-type connector must use a strain relief for the cable. A checked cable strain relief can alternatively be used (in accordance with EN 50014, appendix B)

[18] **Essential Health and Safety Requirements**

Confirmed by compliance of standards (see [9]).

By order

Freiberg, 6th June 2005



(Dr. Lösch)