Translation

(1) # EU-Type Examination Certificate

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

(3) **Certificate Number** **TÜV 06 ATEX 553449 X** **Issue:** 00

(4) for the product: Suspension pressure transmitter
VEGAWELL 52 type WL52.AX/AA/AM*******C/D**

(5) of the manufacturer: **VEGA Grieshaber KG**

(6) Address: Am Hohenstein 113, 77761 Schiltach, Germany

Order number: 8003044717
Date of issue: See date of signature

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential ATEX Assessment Report No. 22 203 320965.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018/AC:2020-02 **EN 60079-11:2012**

except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions for Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design, and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

II 1 G Ex ia IIC T6…T1 Ga

TÜV NORD CERT GmbH, Am TÜV 1, 45307 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The deputy head of the notified body

TÜVNORD

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(13) **S C H E D U L E**

(14) **EU-Type Examination Certificate No. TÜV 06 ATEX 553449 X Issue 00**

(15) **Description of product:**

The suspension pressure transmitter VEGAWELL 52 type WL52.AX/AA/AM*******C/D** is used for pressure measurement in explosion hazardous areas.

Type code:

VEGAWELL 52 type WL52.AX/AA/AM*******C/D**

Electrical data:

VEGAWELL 52 type WL52.AX/AA/AM*****C****

Supply and signal circuit (Wires brown [+] and blue [-] resp. terminals 1 and 2)	In type of protection „Intrinsic Safety“ Ex ia IIC Only for connection to a certified intrinsically safe circuit. Maximum values: U_i = 30 V I_i = 131 mA P_i = 983 mW Effective internal capacitance C_i = 2.4 nF + 133 pF/m x L* Effective internal inductance L_i = 51 µH + 0.6 µH/m x L* L*: Length of the connected cable has to not exceed 478 m
Schielding (When connecting via housing, the shielding is connected to the earth terminal)	Effective internal capacitance wire-shield C_i = 1.5 nF + 215 pF/m x L*

VEGAWELL 52 type WL52.AX/AA/AM*****D****

Supply and signal circuit (Wires brown [+] and blue [-] resp. terminals 1 and 2)	In type of protection „Intrinsic Safety“ Ex ia IIC Only for connection to a certified intrinsically safe circuit. Maximum values: U_i = 30 V I_i = 131 mA P_i = 983 mW Effective internal capacitance C_i = 2.4 nF + 133 pF/m x L* Effective internal inductance L_i = 51 µH + 0.6 µH/m x L* L*: Length of the connected cable has to not exceed 478 m
Schielding (When connecting via housing, the shielding is connected to the earth terminal)	Effective internal capacitance wire-shield C_i = 1.5 nF + 215 pF/m x L*

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Temperature measuring circuit	
(Wires white/yellow, red/black resp. terminals 3 … 6)	In type of protection „Intrinsic Safety“ Ex ia IIC Only for connection to a certified intrinsically safe circuit. Maximum values: U_i = 30 V I_i = 11 mA P_i = 80 mW Effective internal capacitance C_i = 188 pF/m x L* Effective internal inductance L_i = 0.6 µH/m x L* L*: Length of the connected cable has to not exceed 351 m
Schielding (When connecting via housing, the shielding is connected to the earth terminal)	Effective internal capacitance wire-shield C_i = 555 pF/m x L*

All types:
The intrinsically safe signal and supply circuit and the temperature measuring circuit are safely galvanically isolated from each other.
The intrinsically safe signal and supply circuit is galvanically separated from parts which can be earthed.
The metallic parts of VEGAWELL 52 are electrically connected to the shield of the permanently mounted connection cable.

Thermal data:
The permissible ambient temperature range depending on the temperature class and the housing material has to be taken from the following tables:

VEGAWELL 52 with with transmitter material metal (316L, Duplex, Titanium):

Temperature class	Ambient temperature range
T6	-40 °C... +66 °C
T5, T4, T3, T2, T1	-40 °C... +80 °C

VEGAWELL 52 withtransmitter material plastic (PVDF, PP, PE coating):

Temperature class	Ambient temperature range
T6, T5, T4, T3, T2, T1	-20 °C... +60 °C

(16) Drawings and documents are listed in the ATEX Assessment Report No22 203 320965

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(17) **Specific Conditions for Use:**

1. The permissible ambient temperature range depending on the temperature class and the housing material is given in the operating instructions.
2. The VEGAWELL 52 type WL52.AX/AA/AM*******C/D** is to be installed and used in such a way that electrostatic charges are excluded.
3. The shielding connection has to be earthed to avoid electrostatic charge. Observe manual of the manufacturer.
4. The VEGAWELL 52 type WL52.AX/AA/AM*******C/D** has to be installed in such a way that any ignition hazards caused by impact or friction (e. g. caused by pendulum or vibration) can be excluded.
5. By using a metallic type label with key ring the following capacitances are measured:

Metallic type label	Capacitance
45 x 23 mm	21 pF
100 x 30 mm	52 pF
73 x 47 mm	61 pF

(18) **Essential Health and Safety Requirements:**
No additional ones.

- End of EU-Type Examination Certificate -