



(1) **EC-Type Examination Certificate**

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

(3) **EC Type Examination Certificate Number**

EPS 16 ATEX 1 013 X

Revision: 0

(4) **Equipment:** Ultrasonic sensor Type DUC-WF 21 E, DUC-WF 10 E, DUC-WF 05 E

(5) **Manufacturer:** Kobold Messring GmbH

(6) **Address:** Nordring 22-24
65719 Hofheim
Germany

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

(8) Bureau Veritas Consumer Products Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 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 of the Directive. The examination and test results are recorded in the confidential report 12TH0482.

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

EN 60079-0:2012

EN 60079-1:2014

EN 60079-18:2015

(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 EC-Type Examination Certificate relates only to the design and the 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:



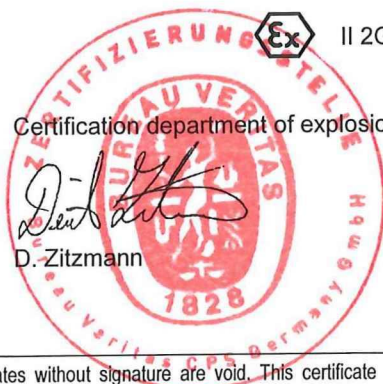
II 2G Ex d mb IIC T6...T3 Gb



Certification department of explosion protection

Nuremberg, February 12, 2016


D. Zitzmann





(13) **Annexe**

(14) **EC-Type Examination Certificate EPS 16 ATEX 1 013 X Rev. 0**

(15) Description of equipment:

The ultrasonic sensor type DUC... is used for flow measuring of fluids. The sensor is intended for fixed installation on pipes.

Electrical data:

Voltage: 90 Vpp

Frequency: ...21 E: 2 MHz
...10 E: 1 MHz
...05 E: 500 kHz

(16) Test report: 12TH0482

(17) Special conditions for safe use:

The device must be protected from excessive UV radiation and electrostatic charge hazard.

Maximum ambient temperature range: $-40\text{ °C} \leq T_a \leq +80\text{ °C}$ (150°C process related).

The device DUC-WF 21 E shall only be installed in areas with a low risk of mechanical danger.

(18) Essential health and safety requirements:

Met by standards.

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Nuremberg, February 12, 2016



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