



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

UNIT VERIFICATION

Certificate No.: IECEx EPS 16.0007X Issue No: 0 Certificate history:
Page 1 of 3 Issue No. 0 (2016-02-12)

Status: Current

Date of Issue: 2016-02-12

Applicant: Kobold Messring GmbH
Nordring 22-24
65719 Hofheim
Germany

Electrical Apparatus: Ultrasonic sensor Type DUC-WF 10 E

Serial number(s) or
Unique Identification: 0216-F014 A, 0216-F014 B, 0216-F015 A, 0216-F015 B, 0216-F016 A,
0216-F016 B, 0216-F017 A, 0216-F017 B, 0216-F018 A, 0216-F018 B,
0216-F019 A, 0216-F019 B, 0216-F020 A, 0216-F020 B, 0216-F021 A,
0216-F021 B, 0216-F022 A, 0216-F022 B, 0216-F023 A, 0216-F023 B

Type of Protection: flameproof enclosure "d", encapsulation "m"

Marking: Ex d mb IIC T6...T3 Gb

Approved for issue on behalf of the IECEx
Certification Body:

Dieter Zitzmann

Position:

Certification manager

Signature:
(for printed version)

Date:

2016-02-12

1828

BUREAU VERITAS
ZERTIFIZIERUNGSSTELLE
BUREAU VERITAS
1828
Veritas CPS Germany GmbH

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Date of Issue: 2016-02-12 Page 2 of 3
Manufacturer: Kobold Messring GmbH
Nordring 22-24
65719 Hofheim
Germany

Additional Manufacturing
location(s):

This Unit verification certificate is issued as verification that the Apparatus identified on page 1, was assessed and tested and found to comply with the IEC Standard list below. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-18 : 2014 Edition:4.0	Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

The Apparatus listed has successfully met the examination and test requirements as recorded in

Test Report:

[DE/EPS/ExTR16.0007/00](#)

Quality Assessment Report:

As this is a Unit Verification Certificate, no QAR is applicable as this certificate is specific to the items listed by serial number or other unique identification.



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Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The ultrasonic sensor type DUC-WF 10 E is used for flow measuring of fluids. The sensor is intended for fixed installation on pipes.

Electrical data:

Voltage: 90 Vpp

Frequency: 1 MHz

CONDITIONS OF CERTIFICATION: YES as shown below:

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

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