

# (1) EU-TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number

## TÜV 15 ATEX 7801 X

Issue: 02

- (4) Equipment: **Central gas warning unit type FlexADOS 914**
- (5) Manufacturer: **ADOS GmbH**
- (6) Address: **Trierer Str. 23-25  
52078 Aachen, Germany**
- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26<sup>th</sup> February 2014, certifies this product which 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 atmosphere, given in Annex II to the Directive.
- The examination and test results are recorded in the confidential report 557 / Ex 7801.02 / 15 and 968 / FSP 1092.00 / 16.
- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:
- EN 60079-0:2012+A11:2013      EN 60079-29-1:2007      EN 50104:2010  
EN 50271:2010**
- (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 EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:



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TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2017-05-05

Dipl.-Ing. Klauspeter Graff

This EU-Type Examination Certificate without signature and stamp shall not be valid.  
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln  
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13)

Annex

(14)

## EU Type Examination Certificate

### TÜV 15 ATEX 7801 X Issue: 02

(15) Description of equipment

#### 15.1 Equipment and type:

Gas detection system type FlexADOS 914 in the variant with up to 12 analogues 4...20 mA sensors.



#### 15.2 General product information

The gas detection system type FlexADOS 914 is a safety-related, parameterisable control unit which has to be used with separately tested and certified gas measurement equipment; e.g. GTR 210 EX (BVS 12 ATEX G 001 X). Within the enclosure, which is intended for wall mounting, the electronic and connection facilities are situated; as well as display and keyboard at the front of the enclosure.

Up to 12 analogue 4...20 mA sensors can be evaluated by and connected to the gas detection system via two-wire- or three-wire-technique. 5 alarm thresholds per sensor can be individually set. Limits can be assigned to either actual or average value (adjustable to 1 up to 60 minutes). Maximum 14 potential-free changeover contacts can be freely allocated to external warning or control devices. One potential-free changeover contact available for failure, power failure or service each.

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### 15.3 Details of Change

Additional Listing of the software version V1.01 according the test report 968/FSP1092.03/16.

#### Technical Data

Power supply	100-240V AC 50/60Hz, optional 24V DC
max. power consumption	60 VA
Operating conditions	-25°C...+45°C 80kPa...120kPa 0%...95% relative humidity non-condensing
Protection class housing (DIN EN 60529)	IP 54
Dimensions ( W x H x D )	300 x 230 x 120 mm
Displays	Graphic LCD display 128x64 pixel Background red / green / yellow LEDs for power, faults, mains failure, maintenance
Digital Inputs	3
Analogue outputs	2 x current outputs 4 - 20mA max. load 400 Ohm
Digital outputs	17 relays 1 relay each for faults, mains failure, maintenance and 14 alarm relays Potential-free changeover contact Switching capacity 250V AC / 4A
Other interfaces	USB, LONWorks (option) Universal FieldBus (option)
Weight	2,7 kg
Expected lifetime buffer battery clock Expected lifetime parameter memory	> 10 years > 20 years
Storage conditions	max. 1 year -25°C...+45°C 80kPa...120kPa 0%–95% relative humidity non-condensing
Software version	V1.01

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(16) Test-Report No. 557 / Ex 7801.02 / 15 and 968/FSP 1092.00/16

The central gas warning unit type FlexADOS 914 was tested as an independent control unit for use with external gas monitoring devices.

(17) Special Conditions for safe use

Observe the information in the associated operating instructions.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2017-05-05



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