

# Certificate

Zertifikat Nr. S 488 2015 C2

**Manufacturer / Contractor:** ADOS GmbH Mess- und Regeltechnik  
Trierer Straße 23-25  
D-52078 Aachen

**Product:** FlexADOS 914: O<sub>2</sub>, toxic and flammable gas measurements.  
LON® System: Electrical Apparatus for the detection and measurement of carbon-monoxide in car parks and tunnels.

**Type:** FlexADOS 914  
FlexADOS 914 LON® with Detector  
ADOS TOX 914 LON®

**Type of use:** Detection and measurement of gases

**Test requirements:** FlexADOS 914: DIN EN 50104:2011, DIN EN 45544-1:2015,  
LON® System: DIN EN 50545-1:04.2012 / VDI 2053:12.2014



Type Approved  
Regular  
Production  
Surveillance

www.tuv.com  
ID 0000050968

**Test result:** The tested specimen meets the test requirements.  
Restrictions see remark in the report no.: S 488 2015 T1.

**This certificate is valid until February 2021**

Cologne, 12.02.2016

Test Centre for Energy Appliances

  
Dipl.-Ing. W. Rückwart

TÜV Rheinland Energie und Umwelt GmbH, Am Grauen Stein, D-51105 Köln

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# Certificate



**Nr./No.: 968/FSP 1092.00/16**

<b>Prüfgegenstand Product tested</b>	Gaswarnzentrale und CO- Gastransmitter Gas warning center and CO gas transmitter	<b>Zertifikats- inhaber Certificate holder</b>	ADOS GmbH Trierer Str. 23-25 52078 Aachen Germany
<b>Typbezeichnung Type designation</b>	FLexADOS914 (SIL 1), FLexADOS914LON (SIL 1), TOX914LON		
<b>Prüfgrundlagen Codes and standards</b>	EN 50271:2010		
<b>Bestimmungsgemäße Verwendung Intended application</b>	Gaswarnzentralen zur Überwachung von verschiedenen Gaskonzentrationen erfüllen die Anforderungen entspr. SIL 1 der EN 50271. CO-Gastransmitter zur Messung von Kohlenmonoxidkonzentrationen erfüllt die Anforderungen der EN 50271 ohne SIL 1 Betrachtung. Gas warning centres for monitoring of various gas concentrations meet the requirements acc. to SIL 1 of EN 50271. CO gas transmitter for measuring carbon monoxide concentrations meets the requirements of EN 50271 without SIL 1 consideration.		
<b>Besondere Bedingungen Specific requirements</b>	Die Hinweise in der zugehörigen Betriebsanleitung sind zu beachten. The instructions of the associated Operating Manuals shall be considered.		

Gültig bis / Valid until 2021-02-05

Der Ausstellung dieses Zertifikates liegt eine Prüfung zugrunde, deren Ergebnisse im Bericht Nr. 968/FSP 1092.03/16 vom 05.02.2016 dokumentiert sind.

Dieses Zertifikat ist nur gültig für Erzeugnisse, die mit dem Prüfgegenstand übereinstimmen. Es wird ungültig bei jeglicher Änderung der Prüfgrundlagen für den angegebenen Verwendungszweck.

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1092.03/16 dated 2016-02-05.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.

**TÜV Rheinland Industrie Service GmbH**

Bereich Automation  
Funktionale Sicherheit

Am Grauen Stein, 51105 Köln

Köln, 2016-02-05

Certification Body Safety & Security for Automation & Grid

Dr.-Ing. Thorsten Gantevoort



# CERTIFICATE

## ELECTROMAGNETIC COMPATIBILITY

Applicant : **ADOS GmbH Mess – und Regeltechnik**  
 Contact person : **Mr A. Winkens**  
 Address : **Trierer Str. 23-25**  
 Postal code, Place : **52078 Aachen**  
 Country : **Germany**

Electrical apparatus : **Gas transmitter and gas warning systems**  
 Trademark : **ADOS**  
 Type designation : **TOX 914 LON, FlexADOS 914 and FlexADOS 914 LON**

Environment : **Industrial process environments (type 2)**

**EN 50270:2006** Electromagnetic compatibility – Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen, from which:  
 Generic emission standard for industrial environments

**EN 61000-6-4:2007 +A1:2011**  
**EN 61000-3-2:2006 +A1:2009, +A2:2009** Limits for harmonic current emissions  
**EN 61000-3-3:2013** Limitation of voltage fluctuations and flicker

**EN 61000-6-2:2005** Generic immunity standard for industrial environments  
**EN 61000-4-2:2009** Electrostatic discharge (ESD) immunity  
**EN 61000-4-3:2006 +A1:2008, +A2:2010** Radiated Electro-Magnetic field immunity  
**EN 61000-4-4:2012** Electrical fast transient (EFT) immunity  
**EN 61000-4-5:2006** Surge transient immunity  
**EN 61000-4-6:2014** Conducted Radio-Frequency disturbances immunity  
**EN 61000-4-8:2010** Power frequency magnetic field immunity  
**EN 61000-4-11:2004** Immunity to voltage dips and short interrupts

The undersigned declares that the described products meet the essential requirements of the **EMC Directive 2004/108/EC**, based on a non-recurrent examination. The results are recorded in our test report with reference 2177152.0501-EMC.

DEKRA Certification B.V.  
 (Notified Body EMC)  
 Arnhem, 11 February 2015



R. Hartsuiker  
 Certification Manager EMC

Certificate nr. **2177152.0551-EMC**

Integral publication of this certificate and associated reports may be used in its original form only.