

Translation

(1) EC-Type Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC
- (3) No. of EC-Type Examination Certificate: **BVS 10 ATEX G 001 X**
- (4) Equipment: **XNX Universal Transmitter**
- (5) Manufacturer: **Honeywell Analytics Inc.**
- (6) Address: **Lincolnshire, Illinois 60069, USA**
- (7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this type examination certificate.
- (8) The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 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 to the Directive. The examination and test results are recorded in the test report PFG-no. 41300111P.
- (9) The Essential Health and Safety Requirements are assured by compliance with:

EN 60079-29-1:2007
EN 50271:2010

This EC-type examination certificate covers for operation with sensor MPD AMCB1 the measuring function for methane, propane, n-butane, n-nonane and hydrogen in the measuring range 0 - 100 % LEL.

This EC-type examination certificate covers for operation with sensor sensepoint HT the measuring function for methane, propane, n-butane, n-nonane and hydrogen in the measuring range 0 - 100 % LEL.

This EC-type examination certificate covers for operation with the transmitter Optima Plus the measuring function for those gases which are listed in the EC-type examination certificate of the transmitter Optima Plus.

This supplement to the EC-type examination certificate covers equipment with software versions 110 (main), 3 (4-20 mA monitoring), 102 (relay module), 103 (mV personality module) and 6 (mV personality module gas parameter).

- (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 appendix to this certificate.
- (11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC. 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 equipment shall include the following:

see DEMKO 09 ATEX 0809943X

DEKRA EXAM GmbH
 Bochum, dated 29. September 2011

Signed: Müller

Signed: Kiesewetter

 Certification body

 Special services unit

- (13) Appendix to
- (14) **EC-Type Examination Certificate**
BVS 10 ATEX G 001 X
- (15) 15.1 Subject and type

XNX Universal Transmitter with model number XNX AM(1)(2)-(3)(4)(5)

- (1) S or A stainless (S) or aluminium (A) construction
- (2) V (millivolt option) only with Sensor MPD AMCB1 or Sensepoint HT for measurement of flammable gasses and vapours
I (IR Option) only with Optima Plus Infrarot-Sensor for measurement of flammable gasses and vapours
- (3) N or R With (R) or without (N) Relay Option
- (4) N or H With (H) or without (N) Local Hart Interface Option for configuration and maintenance of the apparatus
- (5) NNN or CB1 With (CB1) or without (NNN) factory installed MPD AMCB1 sensor

15.2 Description

The transmitter XNX when operated with sensors MPD AMCB1, Sensepoint HT or Optima Plus is a fixed equipment for the measurement of flammable gases and vapours mixed with air at volume fractions up to the lower explosive limit. The sensors may be directly connected to the transmitter housing or operated as remote sensors.

A 4-20 mA interface serves for transmission of the measured value to a control unit.

The transmitter can be equipped with a relay option which provides two alarm relays, one fault relay and an input for resetting latching messages.

15.3 Parameters

See EC-type examination certificate DEMKO 09 ATEX 0809943X

- (16) Test report

PFG-Nr. 41300111P as of 29/09/2011

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- (17) Special conditions for safe use

- Delays resulting from transmission errors between sensor and transmitter extend response times t_{90} by more than one-third. The period until fault indication is 10 seconds.
- The HART interface is subject of this EC-type examination certificate only for the purpose of configuration and maintenance.
- The options "Modbus interface" and "Foundation Fieldbusinterface" are not subject of this EC-type examination certificate.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH
44809 Bochum, 29. September 2011
PFG Kie/Ne



Certification body



Special services unit