

CERTIFICATE

(1) EC-Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **DEKRA 14ATEX0006 X** Issue Number: **1**

(4) Equipment: **Indicator Model E-series**

(5) Manufacturer: **Fluidwell B.V.**

(6) Address: **Voltaweg 23, 5466 AZ Veghel, The Netherlands**

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

(8) DEKRA Certification B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC 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 confidential test report number NL/DEK/ExTR14.0001/**.

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

EN 60079-0 : 2012

EN 60079-1 : 2007

EN 60079-31 : 2009

(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, examination and tests of the specified equipment according to the 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:



II 2 G Ex d IIC T6/T5 Gb

II 2 D Ex tb IIIC T85°C/T100°C Db

This certificate is issued on 4 March 2014 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.


R. Schuller

Certification Manager

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Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate DEKRA 14ATEX0006 X**

Issue No. 1

(15) **Description**

The indicator Model E-series is an indicator for flow, level, pressure and temperature measurement. The indicator consists of an electronic insert in a flameproof enclosure made of aluminium or stainless steel.

The range of indicators are all indicated with a capital E prefix, 3 digits and several suffixes as per the manufacturers order code.

One suffix always included is "-XD" to indicate hazardous area usage: Model E... – XD.

The indicators are supplied by an internal battery and/or by an external supply or by the circuit supply. Optionally, the indicators can be equipped with a pulse output, a sensor supply output and an input for backlight supply.

Ambient temperature range -40 °C to +70 °C.

The enclosure of the indicator provides a degree of protection of at least IP65 in accordance with EN 60529.

Electrical data

Power supply: Lithium battery or 8-30 Vdc or 65-250 Vac, 50/60 Hz,
4.5 W maximum for T6 or 9.2 W maximum for T5.

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. NL/DEK/ExTR14.0001/**.

(17) **Special conditions for safe use**

- The property class of the hexagon socket head screws of process connection A (cylindrical joint) is A2-70 or better;
- The details of the flameproof joints are specified in the manufacturers instructions;
- The painted aluminium enclosure shall be installed in such a way that danger of ignition due to electrostatic discharge is avoided.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/DEK/ExTR14.0001/**.