

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 15ATEX0059 X** Issue Number: **1**

(4) Equipment: **Magnetic Level Switch, Series LMS-HaD**

(5) Manufacturer: **Hadro Techniek B.V.**

(6) Address: **Westbaan 270, 2841 MC Moordrecht, 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/ExTR15.0051/00.

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

EN 60079-0 : 2012 + A11

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 T3...T4 Gb and

II 2 D Ex tb IIIC T135 °C...T200 °C Db and

I M 2 Ex d I Mb

(for LMS-HaD-S-... only)

This certificate is issued on 5 October 2015 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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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate DEKRA 15ATEX0059 X**

Issue No. 1

(15) **Description**

Magnetic Level Switch, Series LMS-HaD, is intended to be used with a Magnetic Level Gauge Pointer. The Switch is activated by the magnetic float of the Magnetic Level Gauge Pointer and acts as level switch.

The Switch consists of one or two micro switches and terminal blocks in an aluminium or stainless steel certified enclosure and an thermal insulating mounting plate.

For the type designation and thermal data see Annex 1 to this certificate.

Electrical data

Rated voltage 10 – 230 Vac/dc

Load max. 2 A, 40 W, 100 VA per micro switch

Installation instructions

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

(16) **Test Report**

No. NL/DEK/ExTR15.0051/00.

(17) **Specific Conditions of use**

- For the thermal data see (15).
- Flameproof joints are not intended to be repaired.
- The risk from electrostatic discharges shall be prevented by the user.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/DEK/ExTR15.0051/00.