IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx KIWA 18.0006

Issue No: 0

Certificate history:
Issue No. 0 (2018-03-19)

Status: **Current**

Date of Issue: **2018-03-19**

Applicant: **Hadro Techniek B.V.**
Westbaan 270
2841 MC Moordrecht
The Netherlands

Equipment: **Magnetic Level Indicator, models Pointer D-, Pointer L- and Pointer M-**

Optional accessory:

Type of Protection: **Constructional safety "c"**

Marking:

Ex h IIC T6...T1 Ga/Gb
Ex h IIIC T85 °C ... T450 °C Da

Approved for issue on behalf of the IECEx Certification Body: Pieter van Breugel

Position: Certification Officer

Signature:
(for printed version)

Date: 19 march 2018

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Kiwa Nederland B.V. (Unit Kiwa ExVision)
Wilmersdorf 50
7327 AC Apeldoorn
P.O. Box 137
The Netherlands

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Manufacturer:	**Hadro Techniek B.V.** Westbaan 270 2841 MC Moordrecht **The Netherlands**	

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

ISO 80079-36 : 2016 Edition:1.0	Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
ISO 80079-37 : 2016 Edition:1.0	Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

NL/KIWA/ExTR18.0007/00

Quality Assessment Report:

NL/KIWA/QAR16.0001/00

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Magnetic Level Indicator, Model Pointer D-, L- and M- is used for measuring the level of liquids in tanks. The level indicator is mounted adjacent to the tank so the liquid level in the measuring tube corresponds to the liquid level in the tank.
Magnetic Level Indicator Model Pointer L- is provided with one side process connection; Magnetic Level Indicator Model Pointer D- and Pointer M- are provided with 2 or 3 side process connections.

The measuring tube, made of stainless steel, Hastelloy, Monel or 254SMO/6Mo is equipped with a stainless steel or titanium float containing magnets. The outside indicator which is magnetically coupled with the float indicates the level inside the measuring tube.

Thermal data

The relation between temperature class, maximum surface temperature and maximum process temperature is listed in the following table:

Temperature class	Maximum surface temperature	Maximum process temperature
T6	T85 °C	68 °C
T5	T100 °C	80 °C
T4	T135 °C	108 °C
T3	T200 °C	160 °C
T2	T300 °C	240 °C
T1	T450 °C	360 °C

Ambient temperature range -50 °C to +85 °C.

SPECIFIC CONDITIONS OF USE: NO