



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx KIWA 18.0005** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 2 [Issue 1 \(2018-09-14\)](#)  
[Issue 0 \(2018-03-19\)](#)  
Date of Issue: 2021-06-01  
Applicant: **MLG Instruments**  
Olivier van Noortstraat 1  
3124 LA Schiedam  
**Netherlands**  
Equipment: **Magnetic Level Indicator, models MLA, MLB, MLC, MLD and MLE**  
Optional accessory:  
Type of Protection: **Constructional safety "c"**  
Marking: Ex h IIC or IIB+H2 or IIB or IIA T1...T6 Ga  
Ex h IIIC T450 °C ... T85 °C Da

Approved for issue on behalf of the IECEx  
Certification Body:

**Dorin Stochitoiu P. Eng**

Position:

**Technical Oversight Specialist**

Signature:  
(for printed version)

Date:

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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**CSA Group**  
178 Rexdale Blvd  
Toronto Ontario M9W 1R3  
Canada





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Manufacturer: **MLG Instruments**  
Olivier van Noortstraat 1  
3124 LA Schiedam  
**Netherlands**

Additional  
manufacturing  
locations:

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 equipment 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** Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements  
Edition:1.0

**ISO 80079-37:2016** 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"  
Edition:1.0

This Certificate **does not** indicate compliance with 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 Reports:

[NL/KIWA/ExTR18.0006/00](#)

[NL/KIWA/ExTR18.0006/01](#)

[NL/KIWA/ExTR18.0006/02](#)

Quality Assessment Report:

[NL/KIWA/QAR18.0002/02](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Magnetic Level Indicator, Models MLA, MLB, MLC, MLD and MLE 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 MLA is provided with one side connection; Magnetic Level Indicator Model MLB is provided with two side connections; Magnetic Level Indicator Model MLC is provided with inline connections; Magnetic Level Indicator Model MLD is for mounting on top of a tank, Magnetic Level Indicator Model MLE, is provided with two side connections and on the top of the outer chamber an certified guided wave radar can be placed.

The stainless steel measuring tube 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.

See Annex A for further data.

**SPECIFIC CONDITIONS OF USE: NO**



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Date of issue: 2021-06-01

Issue No: 2

**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Issue 1: Extension of the chamber length of models MLA and MLB to 20000 mm

Issue 2: Addition of type MLE

**Annex:**

[IECEx KIWA 18.0005 Annexe Issue 2.pdf](#)

Annexe to: IECEx KIWA 18.0005 Issue 2

Applicant: MLG Instruments

Apparatus: Magnetic Level Indicator, Models MLA, MLB, MLC, MLD and MLE



The relation between model, equipment group and maximum chamber height is shown in the following tables:

#### Model MLA, MLB and MLE

Equipment group	Max. chamber height (mm)
IIC	20000

#### Model MLC

Equipment Group	Max. chamber height (mm)
IIA	4000
IIB	4000
IIB+H <sub>2</sub>	2000
IIC	1200

#### Model MLD

Equipment Group	Max. chamber height (mm)
IIA	4000
IIB	2900
IIB+H <sub>2</sub>	1700
IIC	1200

#### Model MLA, MLB, MLC, MLD and MLE

Equipment Group	Max. chamber height (mm)
IIIC	5700

#### 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 +60°C.

#### Full certificate change history

Issue 1 – this Issue introduced the following change:

- i. Extension of the chamber length of models MLA and MLB to max. 20000 mm.

Issue 1 – this Issue introduced the following change:

- i. Addition of type MLE

Date: 01 June 2021

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