



## EU Type Examination Certificate CML 17ATEX1296X Issue 0

1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

2 Equipment LXT207 Horizontal Magnetic Level Switches

3 Manufacturer Golden Mountain Enterprise Co., Ltd.

4 Address No. 9 Lane 133

Xing-Hua St

Chien-Chen District Kaoshiung 806

Taiwan

- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
  - The examination and test results are recorded in the confidential reports listed in Section 12.
- If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN 60079-0:2012+A11:2013

EN 60079-1:2014

10 The equipment shall be marked with the following:



Ex db IIB+H<sub>2</sub> T6 Gb

 $Ta = -20^{\circ}C \text{ to } +40^{\circ}C^{*}$ 

\* This standard ambient range may be omitted from the marking.







## 11 Description

The LXT207\* Magnetic Level Switches comprise a cylindrical stainless steel flameproof enclosure with an M64 threaded cover, which is additionally secured by a hexagon socket set screw. At the opposite end to the threaded cover there is a stainless steel float arrangement, fitted to a spindle on a mounting bracket. There is a single ½" NPT threaded cable entry on one side of the enclosure, with an adjacent external earth facility. The cable entry is intended to be fitted with a suitable certified cable gland. One part of the external enclosure has an NPT thread for mounting purposes.

Inside the enclosure is a switch with terminals. The switch uses magnetism to open or close, depending on the position of the float outside the enclosure.

The options for the maximum electrical ratings are as follows:

3 A / 250 Vac

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	22/01/2018	R2015A/00	Report for the prime certificate issue.

Note: Drawings that describe the equipment or component are listed in the Annex.

#### 13 Conditions of Manufacture

There are no Conditions of Manufacture.

#### 14 Special Conditions for Safe Use (Conditions of Certification)

The following conditions relate to safe installation and/or use of the equipment.

14.1 The flamepath dimensions shall not be adjusted or repaired.

# **Certificate Annex**





Certificate Number CML 17ATEX1296X

**Equipment** LXT207 Horizontal Magnetic Level Switches

**Manufacturer** Golden Mountain Enterprise Co., Ltd.

The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
ExH-0	1 of 1	1	22 Jan 2018	Horizontal Magnetic Level Switch
ExH-1	1 of 1	1	22 Jan 2018	Horizontal Magnetic Level Switch
ExH-2	1 of 1	1	22 Jan 2018	Enclosure body
ExH-3	1 of 1	1	22 Jan 2018	Enclosure cover
ExH-4	1 of 1	1	22 Jan 2018	O ring
ExH-5	1 of 1	1	22 Jan 2018	Float
ExH-6	1 of 1	1	22 Jan 2018	Hexagonal pillars
ExH-7	1 of 1	1	22 Jan 2018	Hinge pin
ExH-8	1 of 1	1	22 Jan 2018	Spaced ring
ExH-9	1 of 1	1	22 Jan 2018	Nameplate