

Certificate Number: DML 21UKEx4102X

Product: **Magnetic Horizontal Level Switches, Stainless Steel Wetside**

Manufacturer: **Delta Mobrey Limited**

Address: **Riverside Business Park, Dogflud Way, Farnham, Surrey, GU9 7SS, GB**

This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

Delta Mobrey Ltd in accordance with Regulation 39(1)(c) of Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 2016 (Statutory Instrument 2016 No. 1107 as amended), has assessed this product and found it to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 to the regulation.

The examination and test results are recorded in confidential assessment number: TCFA-002.

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


BS EN IEC 60079-0:2018

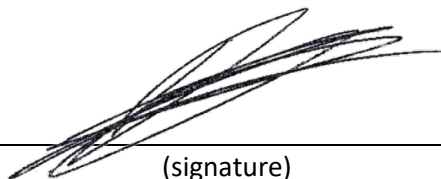
BS EN ISO 80079-36:2016

If the "X" is placed after the certificate number or markings below, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

This Certificate relates only to the design and construction of the specified product. Further requirements of the regulation apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The markings of this product shall include the following:

 **II 3 G** **Ex h IIC T6...T1 Gc X**
(-20°C ≤ Ta ≤ +60°C)



(signature)

Eur Ing David Ross-Hamilton

(name)

Global Approvals Manager

(function)

25-May-21; Slough, GB

(date of issue & place)



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Description

The product is intended to monitor the liquid level inside a vessel. Inside the metal enclosure is the pneumatic switching mechanism with an integral magnet. The enclosure body supports an external float, which also contains an integral magnet. The float unit activates the switch via the interaction of the two magnets. The product consists of a cast aluminium alloy, or stainless-steel enclosure/lid and a stainless steel (or other pressure grade metal) fork diaphragm. Three M5 hexagonal head screws and four M5 hexagonal socket head screws secure the enclosure/lid and enclosure/fork flange respectively.

Design options

- Multiple mounting flanges, these are outside the enclosure envelope and thus do not directly affect the products certification. All options are detailed in the product data sheet.
- Multiple floats, these are outside the enclosure envelope and thus do not directly affect the products certification. All options are detailed in the product data sheet.
- The pneumatic switch versions controlling Instrument Air are detailed below:
 - 'AP' – On/Off switch, maximum pressure 7 barg
 - 'AM' – Modulating pressure controlled between 0 to 1.4 barg or 0.2 to 1.4 barg

Installation instructions

The instructions provided with the product shall be followed in detail to ensure safe operation.

Specific Conditions of Use

1. Under certain extreme circumstances, a paint on the enclosure of the equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. Additionally, the equipment shall only be cleaned with a damp cloth.
2. Only screws and fittings provided by the manufacturer can be attached to the housing.

Essential Health and Safety Requirements

Covered by standards listed above.

Test documentation

As listed in File No. TCFA-002

Certificate history

Issue	Date	Comments
0	25 May 21	First issue