

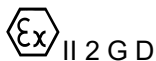


## EC Type Examination Certificate CML 15ATEX1091X Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC
- 2 Equipment **Pressure switch PS2000X**
- 3 Manufacturer **Golden Mountain Enterprise Co., Ltd**
- 4 Address No.9 Lane 133,  
Xing-Hua St.,  
Chien-Chen Dist Kaohsiung  
806, Taiwan
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 9 of Directive 94/9/EC, 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.
- 7 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.
- 8 This EC Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 94/9/EC Article 8 apply to the manufacture of the equipment or component and are separately certified.
- 9 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: :A11 COR1:2013 EN 60079-1:2014 EN 60079-31:2014

- 10 The equipment shall be marked with the following:



Ex db IIB+H2 T6 Gb  
Ex tb IIIC T85°C Db

M D Shearman FInstMC  
Managing Director



CML 15ATEX1091X  
Issue 0

## 11 Description

The Pressure Switch is a cast aluminium flameproof enclosure that contains up to two micro switches that are activated by a control rod that is in turn moved by a diaphragm. Connection to the enclosure is via one or two threaded entries using suitably approved cable glands.

There are several model numbers as listed below:

Model	Micro switches	Rating
PS 1000X	2	Max 250VAC 15A
PS 2000X	2	Max 250VAC 15A
PS2100X	2	Max 250VAC 15A
PS 2200X	2	Max 250VAC 15A
PSA 2000X	1	Max 250VAC 15A
PSA 2100X	1	Max 250VAC 15A
PSA 2200X	1	Max 250VAC 15A
DPS 2100X	2	Max 250VAC 15A
DPS 2200X	2	Max 250VAC 15A

The model numbers will have a suffix that indicates other options that do not effect explosion safety, such as pressure range.

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	04/12/2015	R582A/00	Issue of prime certificate

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

## 13 Conditions of manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- 13.1 Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.

## 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 length of the control rod flamepath in the pressure sensor has a length of 27mm, this is longer than the minimum 25mm required from Table 3 of EN/IEC 60079-1 Ed 7 and is required to be maintained at a minimum length of 27mm.

## Certificate Annex

**Certificate Number** CML 15ATEX1091X  
**Equipment** Pressure switch  
**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
C0009-A-03-d-6	1 of 1	1	04 Dec 2015	Pressure switch
C0009-A-03-d-1	1 of 1	1	04 Dec 2015	Pressure switch
C0009-03-01A1	1 of 1	1	04 Dec 2015	Pressure switch
C0009-A-03-d-4	1 of 1	1	04 Dec 2015	Pressure switch
C0009-A-03-d-5	1 of 1	1	04 Dec 2015	Pressure switch
C009-03-021A	1 of 1	1	04 Dec 2015	Pressure sensor
C009-03-04A1	1 of 1	1	04 Dec 2015	Adjustable screw
C009-03-05A1	1 of 1	1	04 Dec 2015	Adjustable screw