



EU Type Examination Certificate CML 18ATEX1419X Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **BF300, BR250S & OF100 Series Flowmeters**
- 3 Manufacturer **Golden Mountain Enterprise Co., Ltd**
- 4 Address No. 9 Lane 133
Xing-Hua St
Chien-Chien Dist
Kaohsiung 806
Taiwan
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V., Chamber of Commerce No 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, Notified Body Number 2776, 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.

- 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 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.
- 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 60079-0:2018

EN 60079-1:2014

- 10 The equipment shall be marked with the following:

 II 2 G

Ex db IIB+H₂ T6 Gb

Ta -20°C to +60°C



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11 Description

The BF300, BR250S & OF100 Series Flowmeters comprise two cylindrical aluminium enclosures, an electronics enclosure and terminal enclosure, both consisting of a base and threaded cover which are connected via a ½” NPT connector. The electronics enclosure base contains four bosses in its sidewall, one containing a ½” NPT threaded hole for the fitting of the connector, the other for the fitting of associated pipework. The cover of the electronics enclosure may contain an circular window for the viewing of an internal display.

The terminal enclosure base has two bosses in its sidewall, both containing ½” NPT threaded holes, one for the fitting of the connector to the electronics enclosure, the other for the fitting of a cable entry device.

The BF300, BR250S & OF100 Series Flowmeters are rated at 5 A (125 Vac/250 Vac) 2A (30 Vdc).

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	11 Apr 2019	R12167A/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.

- i. 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.
- ii. Each BF300, BR250S & OF100 Series Flowmeter shall be subjected to routine overpressure test of 12.29 bar in accordance with EN/IEC 60079-1 clause16.
- iii. The BF300, BR250S & OF100 Series Flowmeters are to be designed in accordance with general electrical safety standards e.g. IEC 60950 or IEC 61010-1

14 Specific Conditions of Use (Special Conditions)

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

- i. Certain models of the BF300; BR250S; OF100 Series Flowmeters contain mechanical parts. These require addressing for any potential ignition hazard prior to installation.



Certificate Annex

Certificate Number CML 18ATEX1419X
Equipment BF300, BR250S & OF100 Series Flowmeters
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
A-00	1 of 1	-	11 Apr 2019	BOM
A-0	1 of 1	-	11 Apr 2019	Assembly Drawing
A-01	1 of 1	-	11 Apr 2019	Top Cover
A-02	1 of 1	-	11 Apr 2019	Base
A-03	1 of 1	-	11 Apr 2019	316 Connector
A-04	1 of 1	-	11 Apr 2019	Cover
A-05-01	1 of 1	-	11 Apr 2019	O-Ring 1
A-05-2	1 of 1	-	11 Apr 2019	O-Ring 2
A-06	1 of 1	-	11 Apr 2019	Glass
A-07	1 of 1	-	11 Apr 2019	Glass Lock with Gasket
A-08-A (BF300)	1 of 1	-	11 Apr 2019	Flow Tube Bracket
A-08-B (BR250S)	1 of 1	-	11 Apr 2019	Flow Tube Bracket
A-08-C (OF100)	1 of 1	-	11 Apr 2019	Flow Tube Bracket
A-09	1 of 1	-	11 Apr 2019	Pedestal
A-10	1 of 1	-	11 Apr 2019	Nameplate