

EU-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive
2014/34/EU

1. **EU-Type Examination Certificate Number:** ITS14ATEX17989 **Issue 01**
2. **Product:** Group II Ex d Float Switch
3. **Manufacturer:** AMS Instrumentation & Control Ltd
4. **Address:** Unit 8b A30 Business Park, Lodge Way Indian Queens, St. Columb, Cornwall, TR9 6FZ, UK
5. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
6. Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the product has been found 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 Annex II of the Directive.
7. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-26:2015, EN 80079-36:2016 except in respect of those requirements referred to within item 14 of the Schedule.
8. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
9. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
10. The marking of the product shall include the following:



II 2/1 G Ex db h IIC T6...T3 Gb/Ga

Certification Officer:

[Signature]

P Moss

NOTICE TO STAKEHOLDERS
WITHDRAWAL OF THE UNITED KINGDOM AND EU RULES IN
THE FIELD OF INDUSTRIAL PRODUCTS dated 13 March 2020.

This issued certificate - Certificate No: ITS14ATEX17989

and supporting Technical Construction File underwent a legal transfer of new ownership by signed agreement between the named applicant on this certificate and the 3rd party bodies involved in the transfer from NB0359 to NB2575 on 31 December 2020

16 December 2020

Date:

Name: Fabrizio Massei

Position: ATEX Certification Officer

Signature:

[Signature]

Date: 31 December 2020

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement for which it is issued. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SA. Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

SCHEDULE:

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11. Description of Equipment or Protective System

The Group II Ex d Flameproof Float Switch is rated up to 440V, 10A and comprises a cylindrical cast body, with integral mounting flange, and cast spigot cover secured by four 20mm long M10 socket head cap screws stainless steel Grade A2-70. Both the body and cover are manufactured from stainless steel Grade 316 C71 to BS3100:1976.

A through hole located centrally in the base of the body give access to a welded tube assembly. The tube assembly comprises a stainless-steel tube having an outside diameter of ½ inch and length up to 18 feet. The tube contains up to three reed switches at discrete positions, each located by insulating sleeving. The point of exit of the wires from the tube is sealed with Polyester resin and Silicone rubber surrounds the wires entering the enclosure body.

A 4-way terminal blocks provided in the enclosure body. Associated with and external to the tube is a captive float on which is mounted the reed switch operating magnet.

Internal and external earthing facilities are provided.

The enclosure is provided with four clearance holes in the integral mounting flange for installation purposes.

A cable entry hole is provided as specified on the certified drawings for the accommodation of a suitable ATEX certified cable entry device, with or without the interposition of a suitable ATEX certified flameproof thread adaptor. The cabling methods used in service must be suitable for the conditions of use.

The temperature class is dependent on the process and ambient temperatures as indicated in the following table:

Temperature Class	Max Liquid Temperature	Max Ambient Temperature	Cable Entry Temperature
T6	70°C	70°C	70°C
T5	85°C	85°C	85°C
T4	120°C	120°C	120°C
T3	150°C	150°C	150°C

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12. Report Number

Intertek Report: 104245674CHE-001 Dated: 15 December 2020.

13. Special Conditions of Certification

- (a). Special Conditions of Use
 - No Special Conditions of Use
- (b). Conditions of Manufacture
 - In accordance with Clause 16 of EN 60079-1 each Float Switch shall be subjected to an overpressure test at 38bar for at least 10 seconds.

Results must be recorded.

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: G101527547 Dated June 2014.

15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
*ATEX Nameplate for Group II AMS Flameproof Switch	FS4476	G	10.12.20
*ATEX Submission Drawing for Group II AMS Flameproof Switch (4 Sheets)	X4039	H	11.11.20

16. Details of Certificate changes Issue 1

To permit the following;

- Change in company name and address. AM Sensors Ltd, Chedzoy Lane, Chedzoy, Nr Bridgewater, Somerset, TA7 8QS, UK to AMS Instrumentation & Controls Ltd, Unit 8b A30 Business Park, Lodge Way Indian Queens, St. Columb, Cornwall, TR9 6FZ, UK
- Update to the latest versions of the applied standards. EN 60079-0:2012+A11:2013 to EN IEC 60079-2018, EN 60079-1:2007 to EN 60079-1:2014, EN 60079-26:2007 to EN 60079-26:2015 and EN 60079-31:2009, EN 60079-31:2014 and EN 13463-1:2009 to EN 80079-36:2016.