



UNITED KINGDOM CONFORMITY ASSESSMENT

1 **UK TYPE EXAMINATION CERTIFICATE**

2 Equipment Intended for use in Potentially Explosive Atmospheres  
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 Certificate Number: **CSAE 21UKEX2295X** Issue: **0**

4 Product: **FT206 2-Wire Optic Retain Sensor**

5 Manufacturer: **Dixon Bayco**

6 Address: **7280 Union Center Boulevard  
West Chester  
OH 45014  
USA**

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

8 CSA Group Testing UK Limited, Approved Body number 0518, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this 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 Schedule 1 of the Regulations. The examination and test results are recorded in the confidential reports listed in Section 14.2.

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


EN 60079-0:2018 EN 60079-0:2018

Except in respect of those requirements listed at Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This UK TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of this product shall be in accordance with Regulation 41 and include the following:

 II 1G  
Ex ia IIB T4 Ga  
Ta = -40°C to +70°C

Name: J A May  
Title: Director of Operations



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DQD544.21 Issue 2 (2021-04-23)  
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**SCHEDULE**

**UK TYPE EXAMINATION CERTIFICATE**

**CSAE 21UKEX2295X  
Issue 0**

**13 DESCRIPTION OF PRODUCT**

The FT206 2-Wire Optic Retain Sensor is a bottom retain (low level liquid) detection sensor that has a 1/2" NPT mounting. The main sensor portion is stainless steel and the wiring box is manufactured from glass filled Nylon plastic to prevent corrosion, and is removable to facilitate installation. The sensor wires enter/exit the wiring box via side ports and terminate to the sensor PCB that is fully encapsulated within the stainless steel tube.

The plastic wiring box is manufactured from 33% Glass Filled Supertough Nylon DuPONT ZYTEL 80G33L which is coloured black.

The safety description is as follows:

Ui = 13.7 V      Ii = 180 mA      Pi = 1 W      Ci = 0      Li = 0

**Incorporated amendments**

The product description includes the following applicable amendments from the previous supporting assessments. Only amendments directly applicable to UKCA certification have been included in this list. The amendments are numbered to include a reference to the variation at which these were introduced.

**Amendment 4** - This variation introduced the following changes:

- i. The Product Name has been amended from FT206 2-Wire Retain (Low Level Liquid) Sensor Probe to FT206 2-Wire Optic Retain Sensor. The product description has been updated accordingly.

**14 DESCRIPTIVE DOCUMENTS**

**14.1 Drawings**

Refer to Certificate Annexe.

**14.2 Associated Reports and Certificate History**

Issue	Date	Report number	Comment
0	17 August 2021	R80086271A	The release of the prime certificate.

**15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)**

15.1 The apparatus is intended for fixed installations and the precautions to avoid risk from electrostatic discharge is highlighted in the installation instructions. The apparatus is marked with an 'X' as per the requirements of Clause 7.3.2-part e) of IEC 60079-0. Additionally, the apparatus is marked with the electrostatic charge warning given in item g) of clause 29.8.

15.2 As aluminium is used at the accessible surface of this equipment, in the event of rare incidents, ignition sources due to impact and friction sparks could occur. This shall be considered when the FT206 Sensor is being installed in locations that specifically require Group II, Category 1G equipment.

**16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (REGULATIONS SCHEDULE 1)**

In addition to the Essential Health and Safety Requirements covered by the standards listed in Section 9, all other requirements are demonstrated in the relevant reports.



## SCHEDULE

### UK TYPE EXAMINATION CERTIFICATE

CSAE 21UKEX2295X  
Issue 0

#### 17 PRODUCTION CONTROL

- 17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders



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## Certificate Annexe

Certificate Number: CSAE 21UKEX2295X  
Product: FT206 2-Wire Optic Retain Sensor  
Manufacturer: Dixon Bayco

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### Issue 0

Drawing	Sheets	Rev.	Date (stamp)	Title
10509-1_ATEX	1 of 3	A	17 Mar 09	FT206 Retain Sensor SMT Top Assembly
10509-2_ATEX	2 of 3	A	17 Mar 09	FT206 Retain Sensor SMT Bottom Assembly
10509-3_ATEX	3 of 3	A	17 Mar 09	FT206 Retain Sensor SMT Parts List
10510_ATEX	1 of 1	A	17 Mar 09	FT206 Retain Sensor SMT Schematic
10515_ATEX	1 of 1	A	17 Mar 09	PCB, Blank FT206 Retain Sensor SMT
10134	1 of 1	D	18 Aug 11	Retain sensor cover plate
10471NY	1 of 1	C	18 Aug 11	Retain housing
10475PL	1 of 1	B	18 Aug 11	Sleeve
FT206_ATEX	1 of 1	B	17 Sep 14	FT206 Retain Sensor _ ATEX Approved For Europe
10472SS	1 of 1	C	02 Apr 15	Retain prism Carrier Machining
10586	1 of 1	G	15 Jul 21	Label, Retain Sensor FT206 Type
10591	1 to 2	20 Jul 21	22 Jul 21	Instruction Manual 10591 ATEX Supplemental Instruction Sheet For Sensors FT206

