



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 14ATEX2260X** Issue: **3**

4 Equipment: **Thermistor Dummy Model FT155**

5 Applicant: **Dixon Bayco**

6 Address: **7280 Union Center Boulevard  
West Chester  
OH 45014  
United States of America**

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

8 CSA Group Netherlands B.V., Notified Body Number 2813 in accordance with Articles 17 and 21 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 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2018 EN 60079-11:2012

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

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



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

Project Number 80011218

Signed: J A May

Title: Director of Operations

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**CSA Group Netherlands B.V.**  
Utrechtseweg 310,  
6812 AR, Arnhem,  
Netherlands



## SCHEDULE

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Issue 3

#### 13 DESCRIPTION OF EQUIPMENT

The Thermistor Dummy FT155 is a part of the Overfill Detection System used for monitoring the filling of a petroleum tank truck at an oil company filling gantry. The Thermistor Dummy FT155 is used to emulate the electrical signal from a FT151 2-Wire Overfill Sensor Probe (Sira 09ATEX2040X). It is supplied with six, 6" wires and is mounted in a socket housing located on the frame of the petroleum tank truck. It has the ability to emulate five, separate, Overfill Sensors. The electronics are mounted in a PCB and are fully encapsulated. This equipment consists of a plastic enclosure which is in the form of a cup filled with potting material and the potting material is exposed on the top from which six wires emerge out.

The equipment has the following entity parameters:

Ui = 13.7 V      Pi = 1 W      li = 400 mA      Ci = 0      Li = 0

**Variation 1** - This variation introduced the following change:

- i. The vertical dimension of the label was reduced from 1.600" to 1.300".

**Variation 2** - This variation introduced the following change:

- i. Product Instructional manual document number 10831 has been updated to latest issue dated 27<sup>th</sup> of January 2020 to update notes number 11, 12, 13 and removed number 14. The manufacturer documents had been updated accordingly.
- ii. The following assessment has been conducted appropriately to demonstrate compliance with the latest technical knowledge, where EN 60079-0:2012 and had been replaced by EN 60079-0:2018.
- iii. EN 60079-26:2007 had been removed from the certificate. Superseded with the latest versions of the relevant applicable standards.
- iv. The manufacturer's address has been updated.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	16 January 2015	R70009682A	The release of the prime certificate.
1	27 April 2015	R70024621A	The introduction of Variation 1.
2	15 October 2019	1655	This Issue covers the following changes: <ul style="list-style-type: none"> <li>• Transfer of certificate Sira 14ATEX2260X from Sira Certification Service to CSA Group Netherlands B.V..</li> <li>• EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i></li> </ul>
3	26 February 2020	R80011218A	The introduction of Variation 2.

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- 15 **SPECIFIC CONDITIONS OF USE** (denoted by X after the certificate number)
- 15.1 Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this 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. This is particularly important if the equipment is installed in a zone 0 location. In addition, the equipment shall only be cleaned with a damp cloth. This is particularly important if the equipment is installed in a zone 0 location.
- 15.2 The assessed enclosure should not be subjected to strong impact that may lead to high risk of mechanical danger.
- 16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)**
- The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

# Certificate Annexe



Certificate Number: Sira 14ATEX2260X  
Equipment: Thermistor Dummy Model FT155  
Applicant: Dixon Bayco

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## Issue 0

Drawing no.	Sheets	Rev.	Date (Sira stamp)	Title
10478_ATEX	1 of 1	A	26 Nov 14	Thermistor Dummy Schematic
10480_ATEX	1 of 1	A	26 Nov 14	Thermistor Dummy PCB Assembly
10782_ATEX	1 of 1	B	12 Jan 15	Thermistor Dummy Sub Assembly
10205_ATEX	1 of 1	A	26 Nov 14	Thermistor Dummy Label
10479_ATEX	1 of 1	A	26 Nov 14	Thermistor PCB
10831	1 to 2	Nov 2014	26 Nov 14	ATEX Supplemental Instruction Sheet

## Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
10205_ATEX	1 of 1	D	14 Apr 15	Thermistor Dummy Label
10831	1 to 2	01 Mar 15	15 Apr 15	ATEX Supplemental Instruction Sheet

Issue 2 – No new drawings were introduced.

## Issue 3

Drawing	Sheets	Rev.	Date (Date stamp)	Title
10205_ATEX	1 of 1	D	28 Jan 20	FT155 Thermistor Dummy Label
10831	1 to 2	27 Jan 20	28 Jan 20	Instruction Manual 10831 ATEX Supplemental Instruction Sheet For Thermistor Dummy FT155

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