



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 15ATEX2195X** Issue: **4**

4 Equipment: **Loadcell RLP - ATEX**

5 Applicant: **Straightpoint**

6 Address: **Unit 9, Dakota Park
Downley Road
Havant PO9 2NJ
UK**

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 IEC 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 IIC T4 Ga
Ta = -10°C to +50°C

Project Number 80060438

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 4

13 DESCRIPTION OF EQUIPMENT

The Loadcell RLP – ATEX is a radio telemetry system designed to provide measurement data from voltage, current and strain gauge inputs. The loadcell is powered from four, Energizer Ultimate Lithium Cells. The equipment comprises of a radio module PCB and an additional PCB consisting of the safety critical components which are fully encapsulated. It also contains the antenna PCB which is partially encapsulated. The enclosure is made of aluminium alloy with a front cover made of polycarbonate and the battery cover at the rear side is made of polyester. All the exposed non-metallic parts are coated with anti-electrostatic material. There are no external connectors in this equipment.

Variation 1 - This variation introduced the following changes:

- i. New radio board introduced which has changed some drawings as a result.
- ii. The drawings which represent the old design have been reproduced in new drawings.
- iii. Changes in the marking label to show the new Crosby Straightpoint logo
- iv. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2012/A11:2013 was replaced by EN IEC 60079-0:2018.

Variation 2 - This variation introduced the following changes:

- i. Typographical errors corrected on the drawings.
- ii. ATEX certificate number of the L91 batteries removed from the drawings.
- iii. Revised not hazardous area marking.
- iv. Remove the listing of IEC 60079-26.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	22 December 2015	R70043491A	The release of the prime certificate.
1	28 April 2016	R70061934A	This Issue covers the following changes: EU Type Examination Certificate in accordance with 94/9/EC updated in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, EU 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 EU Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i>
2	15 October 2019	1348	Transfer of certificate Sira 15ATEX2195X from Sira Certification Service to CSA Group Netherlands B.V.
3	20 April 2020	R80030551A	The introduction of Variation 1.
4	09 December 2020	R80060438A	The introduction of Variation 2.



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

- 15.1 The enclosure is manufactured from aluminium. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation, particularly if the equipment is installed in a zone 0 location.
- 15.2 The anti-electrostatic coating on the labels can be adversely affected by contact with solvents. Suitable precaution shall be taken to avoid such instances and the labels shall be inspected periodically for any damage.

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 15ATEX2195X
 Equipment: Loadcell RLP - ATEX
 Applicant: Straightpoint

Issue 0

Drawing no.	Sheets	Rev.	Date (Sira stamp)	Description
AT001	1 of 1	D	24-Sep-15	GA drawing for RLP
AT002	1 of 1	B	24-Sep-15	Encapsulation drawing
SU3484 Schematic	1 of 1	1.2	24-Sep-15	Battery Protection PCB Schematic
SU3484	1 of 1	B	24-Sep-15	Battery Protection PCB layout
SU3484 BOM	1 of 1	1.1	24-Sep-15	Battery Protection PCB BOM
SA900 Logical Schematic	1 of 1	1.3	24-Sep-15	Logical schematic
SA900 Electronic Schematic	1 of 1	1.3	24-Sep-15	Electronic schematic
SD4119	1 of 1	0	24-Sep-15	Battery Box
SU3476	1 of 1	C	24-Sep-15	RLP Battery cover disc label
SU3477	1 of 1	A	24-Sep-15	RLP Front Cover plate
SU3488	1 of 1	A	24-Sep-15	Calibration Label
SU3486	1 of 1	A	24-Sep-15	Battery orientation label
SU3489	1 of 1	A	24-Sep-15	Front Cover plate 2
SU3497	1 of 1	A	24-Sep-15	Loadcell Negative PCB layout
SU3497 Schematic	1 of 1	1.2	24-Sep-15	Loadcell Negative PCB Schematic
SU3498	1 of 1	A	24-Sep-15	Loadcell Positive PCB layout
SU3498 Schematic	1 of 1	1.2	24-Sep-15	Loadcell Positive PCB Schematic
SU3507	1 of 1	A	24-Sep-15	Battery Housing Assembly

Issues 1 and 2 No new drawings were introduced.

Issue 3

Drawing no.	Sheets	Rev.	Date (Sira stamp)	Description
AT001	1 of 1	E	09 Mar 20	GA drawing for RLP (TS radio board)
AT002	1 of 1	E	09 Mar 20	Encapsulation drawing (TS radio board)
SU3476	1 of 1	D	09 Mar 20	RLP Battery cover disc label
SU3507	1 of 1	C	09 Mar 20	Battery Housing Assembly (TS radio board)
SU3477	1 of 1	C	09 Mar 20	RLP Front Cover plate
SU3488	1 of 1	B	09 Mar 20	Calibration Label
AT011 (*)	1 of 1	A	30 Mar 20	GA drawing for RLP (T24 radio board)
AT012 (*)	1 of 1	A	30 Mar 20	Encapsulation drawing (T24 radio board)
AT017	1 of 1	A	30 Mar 20	Battery Housing Assembly (T24 radio board)

note) * - new drawings

The drawings listed below are no longer necessary.

Drawing no.	Sheets	Rev.	Date (Sira stamp)	Reason
SU3489	1 of 1	A	24-Sep-2015	Replaced by SU3477 now.
SD4119	1 of 1	0	24-Sep-2015	All dimensions moved to SU3507.

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Certificate Annexe



Certificate Number: Sira 15ATEX2195X
Equipment: Loadcell RLP - ATEX
Applicant: Straightpoint

Issue 4

Drawing no.	Sheets	Rev.	Date (Sira stamp)	Description
AT001	1 of 1	G	24-Nov-20	GA drawing for RLP (TS radio board)
AT011	1 of 1	B	24-Nov-20	GA drawing for RLP (T24 radio board)
SU3477	1 of 1	D	24-Nov-20	RLP Front Cover plate

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