



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx SIR 16.0041X** Page 1 of 5 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2020-04-20\)](#)
[Issue 0 \(2016-04-28\)](#)
Date of Issue: 2020-12-09
Applicant: **Straightpoint**
Unit 9, Dakota Park
Downley Road
Havant, PO9 2NJ
United Kingdom
Equipment: **Loadcell WNI-ATEX/ WLS-ATEX/ LP-ATEX/TIMH-ATEX**
Optional accessory:
Type of Protection: **Intrinsically Safe ia**
Marking: Ex ia IIC T4 Ga
Ta = -10°C to +50°C

Approved for issue on behalf of the IECEx
Certification Body:

N Jones

Position:

Certification Manager

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
United Kingdom

sira
CERTIFICATION





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Manufacturer: **Straightpoint**
Unit 9, Dakota Park
Downley Road
Havant, PO9 2NJ
United Kingdom

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/SIR/ExTR16.0085/00](#)

[GB/SIR/ExTR20.0060/00](#)

[GB/SIR/ExTR20.0224/00](#)

Quality Assessment Report:

[GB/SIR/QAR15.0028/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Loadcell WNI-ATEX/ WLS-ATEX/ LP-ATEX/ TIMH-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 electronics and the battery box are contained within an aluminium enclosure. In the WLS-ATEX model, this electronics box is attached to a shackle pin made of alloy steel which contains the encapsulated strain gauges. In the WNI-ATEX model, the electronics box is attached to a load cell core made of stainless steel and aluminium material which contains the encapsulated strain gauges. In the LP-ATEX model, the electronics box is attached to a load pin made of stainless steel material which contains the encapsulated strain gauges. In the TIMH-ATEX model, the electronics box is attached to a load pin which contains the encapsulated strain gauges and side plates made of stainless steel. There are no external connectors in this equipment.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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.
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.



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Equipment (continued):

The Manufacturer shall comply with the following:

1. The Loadcell WNI-ATEX/ WLS-ATEX/ LP-ATEX/ TIMH-ATEX incorporates a previously certified battery. It is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with this device. The manufacturer shall inform Sira of any modifications to the device that may impinge upon the explosion safety design of the equipment.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1 – this Issue introduced the following changes:

1. New radio board introduced which has changed some drawings as a result.
2. The drawings which represent the old design have been reproduced in new drawings.
3. Changes in the marking label to show the new Crosby Straightpoint logo.
4. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 60079-0:2011 Ed. 6 was replaced by IEC 60079-0:2017 Ed. 7.

Issue 2 – this Issue introduced the following changes:

1. Typographical errors corrected on the drawings.
2. ATEX certificate number of the L91 batteries removed from the drawings.
3. Non-hazardous area bill of material amendments and corrections.