



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX SIR 10.0034X** issue No.:2

Status: **Current**

Certificate history:  
Issue No. 2 (2016-2-22)  
Issue No. 1 (2015-5-5)  
Issue No. 0 (2010-4-23)

Date of Issue: **2016-02-22** Page 1 of 4

Applicant: **Trox Ltd.**  
Newby Road  
Hazel Grove  
Stockport  
Cheshire SK7 5DY  
**United Kingdom**

Electrical Apparatus: **Autowarning Telltale**  
Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **Ex ia I Ma**

Approved for issue on behalf of the IECEx Certification Body: **C Ellaby**

Position: **Deputy Certification Manager**

Signature:  
(for printed version)

  
\_\_\_\_\_  
2016/2/22  
\_\_\_\_\_

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 the Official IECEx Website.

Certificate issued by:

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

**sira**  
CERTIFICATION





# IECEX Certificate of Conformity

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Manufacturer: **Trolex Ltd.**  
Newby Road  
Hazel Grove  
Stockport  
Cheshire SK7 5DY  
**United Kingdom**

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition: 5

**IEC 60079-11 : 2006** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition: 5

*This Certificate **does not** indicate compliance with electrical 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 Report:

GB/SIR/ExTR10.0080/00

GB/SIR/ExTR15.0115/00

GB/SIR/ExTR16.0033/00

##### Quality Assessment Report:

GB/SIR/QAR07.0017/04



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Autowarning Telltale is designed to monitor the movement of strata when inserted into a drilled vertical hole. It comes in a single and dual height version and, when a pre-set level of movement is detected it provides a visible indication using flashing LEDs operated by a reed switch and magnet mechanism. Power is supplied using batteries contained in a 'sealed for life unit' this allows the LEDs to flash for a period of several months.

### CONDITIONS OF CERTIFICATION: YES as shown below:

1. Parts of the enclosure are non-conducting and may generate an ignition-capable level of electrostatic charge under certain extreme conditions. By virtue of its shape, design and position of use, it is assessed that the Equipment is not considered to be an electrostatic risk; however, the Equipment shall not be installed in a position where it may be subjected to an excessive air/fluid flow or be subjected to rubbing that may cause an electrostatic build-up.



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

**Issue 1** – this Issue introduced the following changes:

1. The certificate was transferred:

From:

Golder Associates (UK) Ltd,

Bretby Business Park

Ashby Road

Burton-on-Trent, DE15 0QD

UK

To:

Trolex Ltd.

Newby Road

Hazel Grove

Stockport

Cheshire SK7 5DY, UK

**Issue 2** – this Issue introduced the following change:

1. To allow modification of the ratings and type of the safety resistors, R8 and R9.