



## IECEx Certificate of Conformity

### INTERNATIONAL ELECTROTECHNICAL COMMISSION

### IEC Certification Scheme for Explosive Atmospheres

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

#### UNIT VERIFICATION

<b>Certificate No</b>	IECEx BAS 14.0102X	Issue No.0
<b>Status</b>	Current	
<b>Date of issue</b>	2015-04-07	Page 1 of 3
<b>Electrical Apparatus</b>	IS 2000	Serial Numbers 011501 – 021550
<b>Type of Protection</b>	Intrinsic Safety	
<b>Marking</b>	Ex ia IIC T5 Ga	

#### Additional Manufacturing locations:

The Unit verification certificate is issued as verification that the Apparatus identified on page 1, was assessed and tested and found to comply with IEC standard below.

This certificate is granted subject to 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:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres – Part 0: General requirements
<b>IEC 60079-0 : 2007-10</b> Edition: 5	Explosive atmospheres – Part 0: Equipment - General requirements
<b>IEC 60079-11 : 2011</b> Edition: 6.0	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety



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

### Test & Assessment Reports:

The Apparatus liste has succesfully met the examination and test requirements as recorded in.

**Test Report:** GB/BAS/ExTR15.0056/00

### Quality Assessment Report:

As this is a Unit Verification Certificate, no QAR is applicable as this certificate is specific to the items listed by serial number or other unique identification.

### Equipment:

Equipment and systems covered by this certificate are as follows:

An intrinsically Safe PIR Detector IS2000 MK1 is designed for sensing the presence of people, by detecting the infrared radiation emitted by their body heat, and to provide an output signal for remote monotoring.

It comprises a pyro-electric sensor, and other electronic components mounted on a printed circuit board (PCB).

The PCB assembly is encapsulted inside a substantial cast metal enclosure and is fitted behaind the front lid of the cast housing.

The pyro-electric sensor is not covered by the encapsulant, but is protected by a plastic membrane cover.

The PCB Assembly is wired to terminals that are mounted on the back of the lid.

External connections are made to these terminals through a gland in the main housing.

### Conditions of Certification: YES as shown below

1. This enclosure is made of an aluminium alloy and must be protected against impact or abrasion if located in an area classified Zone 0.
2. The surface resisitivity of the lens is greaterthan 1Gohm. To avoid electrosstatic charge build-up, it must not be rubbed or cleaned with solvents or a dry cloth



Automatikprodukter

**Date of issue**

2015-04-07

Automatikprodukter i ASKIM AB

  
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