



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

Certificate No.: issue No.: Certificate history:

Status:

Date of Issue: **2014-06-13** Page 1 of 3

Applicant: **HI-G-TEK Ltd.**
16 Hacharoshet St.
Or-Yehuda 60375
Israel

Electrical Apparatus: **Intrinsically Safe Battery**
Optional accessory:

Type of Protection: **Intrinsic Safety "ia"**

Marking: **Ex ia IIB T4 Ga**

Approved for issue on behalf of the IECEx
Certification Body:

Paul T. Kelly

Position:

Principal Engineer, Global Hazardous Locations

Signature:
(for printed version)

Date:

2014-06-13

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](http://www.iecex.com).

Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





IECEX Certificate of Conformity

Certificate No.: IECEX UL 14.0012X

Date of Issue: **2014-06-13**

Issue No.: **0**

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Manufacturer: **HI-G-TEK Ltd.**
16 Hacharoshet St.
Or-Yehuda 60375
Israel

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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

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

*This Certificate **does not** indicate compliance with 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:
[US/UL/ExTR14.0017/00](#)

Quality Assessment Report:
[GB/ITS/QAR13.0018/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The DataSeal series of Models are battery powered fixed location devices which monitor the state of locks, hatches, valves and fuel in pipes. All Models are capable of RF communication with a unit located in a non-hazardous location.

Nomenclature for Type:

IG LK X XXX

I II III IV

I = Series

II = Sensor Model (LK = Lock, FL = Fluid, FLH = Fluid/Hatch, FA = Analog, FAH = Analog, DW = Dry/Wet Optical, RS = Sealing Wire)

III = Sensor Options (tilt and motion sensors)

IV = Radio Frequency of Operation in MHz

CONDITIONS OF CERTIFICATION: YES as shown below:

- Electrostatic discharge hazard due to measured capacitance greater than 3pF for metallic parts and due to build-up of electrostatic charges on non-metallic enclosure for all Models.
- Ensure that all personnel and equipment are correctly grounded.
- Do not rub or clean with solvents. Clean only with damp cloth.