

[1]

EU-TYPE EXAMINATION CERTIFICATE



[2]

Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

[3]

EU-Type Examination Certificate Number: **DEMKO 14 ATEX 1310599X Rev. 2**

[4]

Product: **Remote Seal Monitor**

[5]

Manufacturer: **HI-G-TEK Ltd.**

[6]

Address: **16 Hacharoshet St., Or-Yehuda 60375, Israel**

[7]

This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. **DK/ULD/ExTR21.0012/00.**

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-11:2012

[10]

If the sign "X" is placed after the certificate number, it indicates that the product is subject to special conditions for safe use specified in the schedule to this certificate.

[11]

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

[12]

The marking of the product shall include the following:

 **II 1 G Ex ia IIB T4 Ga**

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2014-06-06

Re-issued: 2021-04-23

Notified Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
Tel. +45 44 85 65 65, info.dk@ul.com, www.ul.com



[13]

Schedule

[14]

EU-TYPE EXAMINATION CERTIFICATE No. DEMKO 14 ATEX 1310599X Rev. 2

- [15] Description of Product
The DataSeal Series 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
IV = Radio frequency of operation in MHz

Temperature range
The ambient temperature range is -40 °C to +70 °C.

Electrical data
3.6 V (Battery)

Routine tests
None

- [16] Descriptive Documents
The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

- [17] Specific conditions of use:
Electrostatic discharge hazard due to measured capacitance greater than 3 pF 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.

- [18] Essential Health and Safety Requirements
The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information
The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.

