

EC-TYPE EXAMINATION CERTIFICATE



[1]

[2]

**Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

[3]

EC-Type Examination Certificate Number: **DEMKO 06 ATEX 137486X Rev. 0**

[4]

Equipment or Protective System: **Intrinsically Safe Line Leak Detection Sensors**

[5]

Manufacturer: **Veeder Root Company**

[6]

Address: **2709 Route 764, Duncansville, PA 16635 USA**

[7]

This equipment or protective system 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 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems 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. **12CA30370-06ATEX137486X**

[9]

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

EN 60079-0:2009

EN 60079-11:2007

EN 60079-26:2007

[10]

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

[11]

This EC-Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.

[12]

The marking of the equipment or protective system shall include the following:

 **II 1 G Ex ia IIA T4**

Certification Manager

Jan-Erik Storgaard

Date of issue: 2012-06-27

Notified Body

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



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[14]

Schedule
EC-TYPE EXAMINATION CERTIFICATE No.
DEMKO 06 ATEX 137486X Rev. 0
Report: 12CA30370

[15]

Description of Equipment or protective system

The Model 8484XX-XXX PLLD sensor is a two-wire sensor designed to convert pressure measured into a 4-20 mA dc output current signal. The sensor is intended for use within the Intrinsic Safety Systems described in DEMKO 06 ATEX 137480X.

Nomenclature for type:

Form Nos. 8484 X X - X X X
 I II III IV V VI

I – Basic Form Number

II – Approvals (0 – 9)

6 – ATEX

III – OEM Not Related to Certification (0 – 9)

IV – Variable Not Related to Certification (0 – 9)

V – Specifies Leak Test Capability Not Related to Certification (0 – 9)

VI – Specifies Check Valve Options Not Related to Certification (0 – 9)

Temperature range:

The ambient temperature range is -40 °C to +60 °C.

Electrical data:

Intrinsically safe specifications:

U_i : 12,6 V
I_i : 196 mA
P_i : 0,62 W
C_i : 2,24 µF
L_i : 0 mH

Installation instructions:

See Special conditions for safe use.

Mounting instructions

The device is intended to be installed in a tapered thread opening in a pipeline with a maximum pressure rating of 3,5 Bar.

Routine tests:

None.

[16]

Report No.

Project Report No.: 12CA30370 (Hazardous Location Testing)

Drawings:

Number	Rev.	Date	Description
331671-102	B	2012-06-07	Safety Certification PLLD Sensor

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Special conditions for safe use:

- This device has been evaluated in conjunction with the intrinsic safety system defined in DEMKO 06 ATEX 137480X. The descriptive system documents and installation manual 577013-578 included with the aforementioned certificate must be followed, during installation.
- This device has not been evaluated for use across a boundary wall.

[18]

Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Annex III of ATEX directive only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

Additional information

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

