

# 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 07 ATEX 141031X Rev. 0**

[4]

Equipment or Protective System: **Intrinsically Safe Pressure Transducer**

[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. **12CA30370-07ATEX141031X**

[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:** 2007-10-31

**Re-issued:** 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](http://www.ul-europe.com)



[13]

## Schedule

[14]

# EC-TYPE EXAMINATION CERTIFICATE No.

DEMKO 07 ATEX 141031X Rev. 0

Report: 12CA30370-07ATEX141031X

[15]

Description of Equipment or protective system

The Model 8590XX-XXX DPLLD sensor is a two-wire sensor designed to convert pressure measurements into a digital signal. The sensor is intended to monitor flammable liquid pipelines at service stations for a change in pressure.

Nomenclature for type:

Form Nos.                    8590    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<sub>i</sub> : 12,6 V  
I<sub>i</sub> : 196 mA  
P<sub>i</sub> : 0,62 W  
C<sub>i</sub> : 0,0264 µF  
L<sub>i</sub> : 400 µH

Installation instructions:

See Special conditions for safe use.

Mounting instructions:

The device is intended to be installed in 2 inch NPT open of a flammable liquid pipeline or pump.

Routine tests:

None.

[16]

Report No.

Project Report No.: 12CA30370-07ATEX141031X (Hazardous Location Testing)

Drawings:

Number	Rev.	Date	Description
331671-126	B	2012-06-25	Safety Certification Digital PLLD Sensor

[17]

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 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.

