

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 137485X Rev. 0**

[4]

Equipment or Protective System: **Leak Detection and Tank Gauging Console**

[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. **12CA30370-06ATEX137485X**

[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**

Certification Manager

Jan-Erik Storgaard

Date of issue: 2012-06-28

Notified Body

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Schedule
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[15]

Description of Equipment or protective system

The TLS-50, TLS2, TLS-IB Series consists of a control unit for use in an indoor non-hazardous location that provides intrinsically safe circuits for up to 8 intrinsically safe apparatus. The circuits are intended for use with magnetostrictive probes and simple apparatus intended for monitoring for leaks. The device, when used with an appropriate probe, can provide an overfill alarm and monitor the fluid level in a flammable liquid underground storage tank. The Associated Apparatus are intended for use within the Intrinsic Safety Systems described in DEMKO 06 ATEX 137480X.

Nomenclature for type:

Form Nos.	8469	6	0	-	0	0	0
	I	II	III		IV	V	VI

I – Basic Form Number

8469 – TLS-50
8466 - TLS-IB
8560 – TLS2

II – Approvals

6 – ATEX

III - OEM Not related to certification (0-9)

IV – Optional (This option is not related to the safety of the device)

0-9 Communications

V – Optional (This option is not related to the safety of the device)

0-9 Communications

VI – Voltage

Defines maximum input voltage, 250 volts maximum

Temperature range:

The ambient range for the consoles is 0 °C ≤ Ta ≤ +40 °C.

Electrical data:

Intrinsically safe specifications:

U_o : 12,6 V
 I_o : 189 mA
 P_o : 0,60 W
 C_o : 13,5 µF
 L_o : 3,7mH

Note – The values for C_o and L_o are the aggregate sum of all terminals when these devices are used in installations that do not follow the System Descriptive Documents specified in 06 ATEX 137480X. Based on compliance with EN 60079-25:2004, the values for C_o and L_o do not apply when these devices are installed in accordance with the System Descriptive Documents specified in 06 ATEX 137480X.

Installation instructions:

See Special conditions for safe use.

Mounting instructions

None.

Routine tests:

None.

[16]

Report No.

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

Drawings:

Number
331671-102

Rev.
C

Date
2012-06-11

Description
Safety Certification TLS-50, TLS2, TLS-IB Series Consoles



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[14]

Schedule
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[17] Special conditions for safe use:

- This device must be installed as part of 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.
- To ensure safe operation, all covers must be in place in both the intrinsically safe and unspecified circuit filed wiring compartments.

[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.

