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# EC-TYPE EXAMINATION CERTIFICATE



[2]

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

[3]

EC-Type Examination Certificate Number: **DEMKO 09 ATEX 0865104**

[4]

Equipment or Protective System: **Associated Apparatus, Flammable Liquid Level Gauge/Leak Detection System**

[5]

Manufacturer: **Franklin Fueling Systems**

[6]

Address: **34 Spring Hill Road, PO Box 638, Saco, ME 04072 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. **08CA65104**

[9]

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

**EN 60079-0:2006**

**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**

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**Certification Manager**

Jan-Erik Storgaard

This certificate may only be reproduced in its entirety and without any change, schedule included

**Date of issue:** 2009-06-30

**Notified Body**

UL International Demko A/S, Lyskaer 8, P.O. Box 514, DK-2730 Herlev, Denmark, Tel. +45 44 85 65 65, info.dk@dk.ul.com  
**www.ul-europe.com**

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[14]

**Schedule**  
**EC-TYPE EXAMINATION CERTIFICATE No.**  
**DEMKO 09 ATEX 0865104**  
**Report: 08CA65104**

[15]

Description of Equipment or protective system

The Models CL6 and TS-CL6 are permanently mounted associated apparatus that provide intrinsically safe circuits for use in Group IIA. The units are designed to be mounted indoors in a non-hazardous location and connected to up to six suitably rated intrinsically safe apparatus.

These devices are control panels with or without a touch screen. Peripheral equipment may be connected to the external ports of the device (e.g., USB, RS-232, Ethernet), in the non-hazardous area. The enclosure contains two field wiring compartments, one for intrinsically safe wiring, and one for non-hazardous wiring (input power and relay outputs). Models CL6 and TS-CL6 are identical with respect to the requirements in the standards identified above.

Nomenclature for type:

CL6, TS-CL6 (identical)

Temperature range:

The ambient temperature range is 0 °C to +40 °C.

Electrical data:

Intrinsically safe specifications:

U<sub>m</sub> : 250 V

Terminals (+RED, -BLACK):

U<sub>o</sub> : 28,35 V

I<sub>o</sub> : 157,5 mA

P<sub>o</sub> : 1,1 W

L<sub>o</sub> : 1,4 mH

C<sub>o</sub> : 1,04 uF

Installation instructions

Unused apertures shall be closed with suitable blanking elements.

Routine tests

None.

[16]

Report No.

Project Report No.: 08CA65104 (Hazardous Location Testing)

Documents:

<b>Description:</b>	<b>Drawing No.:</b>	<b>Rev. Level:</b>	<b>Date:</b>
BRIC ATG, Power and IS Barrier (Schematic)	009-229065701	3	2009-05-22
Bill of Materials, BRIC ATG, Power and I.S. Barrier	019-229065701	3	-
ATEX Compliant BRIC Control Drawing	000-1735	D	2009-06-22
Liquid Level Gauge Compliance Label	240-1026	D	2009-06-23
Liquid Level Gauge Model & Serial No. (Label)	240-1027	A	2008-12-08
BRIC Entity Parameters Label	240-1028	B	2009-05-27
BRIC Regulatory Document (Assembly)	149-0045	B	2009-05-21
Trace Layouts	179-229065101	4	-
Terminal Block Plug 5.08mm/0.200in	219-0001	B	2009-05-28
Terminal Block Header 5.08mm/0.200in	219-0002	A	2009-01-20
Potting PCB Fuse Layout BRIC	000-0124	B	2009-05-22
BRIC, Potting Barrier Shield	283-4044	B	2009-06-18

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**Schedule**  
**EC-TYPE EXAMINATION CERTIFICATE No.**  
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**Report: 08CA65104**

[17] Special conditions for safe use:  
None.

[18] Essential Health and Safety Requirements  
Concerning ESR this Schedule verifies compliance with the 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.

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**Certification Manager**  
Jan-Erik Storgaard

**Date of issue:** 2009-06-30

**Notified Body**

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