

[1] **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 07 ATEX 0707396X**

[4] Equipment or Protective System: **Portable Corrosometer Data Terminal, Model CheckMate DL,
Part No. 723700-01 and Isolator Cable Part No. 723725**

[5] Manufacturer: **Rohrback Cosasco Systems Inc**

[6] Address: **11841 E Smith Ave, Santa Fe Springs, CA 90670, 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. **07NK07396**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN50014:1997 inc. A1+A2 **EN50020:2002**

[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 2 G EEx ib IIC T4**

On behalf of UL International Demko A/S

Herlev, 2007-12-05

P. Peter Alex-Petersen

Jan-Erik Storgaard
Certification Manager

UL International Demko A/S

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Certificate: 07 ATEX 0707396X

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Schedule

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Description of Equipment or protective system

The CheckMate DL is a handheld corrosometer and data recorder. The device is used with Isolator Cable Part No. 723725.

Nomenclature for type Part No. 723700-1 CheckMate DL Corrosometer

Part No. 723725 Isolator Cable (associated apparatus)

Temperature range

The ambient temperature range is -20 °C to +50 °C.

The relation between ambient temperature and the assigned temperature class is as follows:

Ambient temperature range

-20 °C to +50 °C

Temperature class

T4

Electrical data

9 V supply from six size AA 1,5 V alkaline batteries:

Duracell MN1500, Energizer E91 or Rayovac 815

Installation instructions

The CheckMate DL instrument is intrinsically safe when connected in accordance with interconnect Control Drawing No. 723203 which is supplied with each unit.

Mounting instructions

None

Routine tests

Tests are performed per 11.1.1 of EN 50020:2002 on the PC Isolator Cable P/N 723725.

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Drawings:

Number	Revision	Date	Description
723701	C	03 Oct 07	Complete Unit Assembly
006464	D	21 Sep 07	Marking Label CheckMate DL
006472	A	21 Sep 07	PC-Isolator Cable Marking
723702	A	21 Sep 07	Interconnect Control Drawing
723704	(-)	21 Sep 07	Enclosure Case, Top
723703	(-)	21 Sep 07	Enclosure Case, Bottom
723046	(-)	21 Sep 07	Keyboard Static Guard
723633	(-)	21 Sep 07	Battery Access Door
723712	A	11 Oct 07	Circuit Board Schematic
723710	D	11 Oct 07	Board Assembly & Parts List
723717	(-)	19 Sep 07	Circuit Board Trace Layout
723724	(-)	21 Sep 07	Internal Battery Supply Cable
723716	A	21 Sep 07	External CheckMate Serial Cable
723723	(-)	21 Sep 07	External CheckMate/RDC Cable

UL International Demko A/S

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723725	A	21 Sep 07	PC Isolator Cable Assembly
723718	(-)	21 Sep 07	PC Isolator Cable Schematic
723711	(-)	21 Sep 07	PC Isolator PCB Assembly
723719	(-)	21 Sep 07	PC Isolator PCB Specification
723720	(-)	21 Sep 07	PC Isolator PCB Artwork
CheckMate	(-)	18 Mar 05	Component Safety Assessment
Isolator	(-)	22 Mar 05	Component Safety Assessment
Manual	B	03 Oct 07	Reference Manual CheckMate DL

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Special conditions for safe use:

- Downloading of stored data to a computer is performed only in the non-hazardous area and only with PC Isolator Cable Part No. 723725.
- Alkaline battery replacement is to be performed in the non-hazardous area.

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Essential Health and Safety Requirements:

Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

Additional Information

None

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.

On behalf of UL International Demko A/S

Herlev, 2007-12-05



Jan-Erik Storgaard
Certification Manager

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