

[1]  
[2]

# EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System intended for use  
in Potentially explosive atmospheres  
Directive 94/9/EC



[3] EC-Type Examination Certificate Number: DEMKO SYST 04 ATEX 135586X

[4] Equipment or Protective System: SYST: RDC Datalogger and CDM Reader

[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 there to is 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: 03NK07914

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

EN 50014:1997 E incl. A1 + A2 EN 50020:2002 E EN 50039:1980 E

[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.

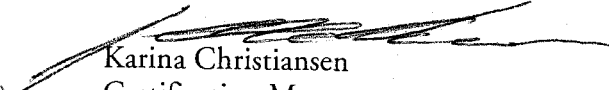
[11] This EC-Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of this Directive apply to the manufacturing process and supply of this equipment or protective system.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

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

⊕ II 2G EEx ib IIB T3 -20°C ≤ Tamb ≤ 50°C

On behalf of UL International Demko A/S

Herlev, 2004-06-08

  
Karina Christiansen  
Certification Manager

**UL International Demko A/S**

Lyskaer 8, P.O. Box 514  
DK-2730 Herlev, Denmark  
Telephone: +45 44856565  
Fax: +45 44856500

Certificate SYST 04 ATEX 135586X

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



An Affiliate of  
**Underwriters  
Laboratories Inc.®**

P1

[13]

## Schedule

[14]

### EC-TYPE EXAMINATION CERTIFICATE No.

DEMKO SYST 04 ATEX 135586X

[15]

Description of Equipment or protective system:

The system consists of the ATEX certified RDC data logger (04 ATEX 0307914) and certified CDM data reader (03 ATEX 133432). The RDC Remote Data Collectors are field mounted units designed to store data from electrical resistance probes. The data is transferred to a computer located in the non hazardous area via a hand held Certified CDM Data Reader. The RDC Remote Data Collectors and CDM Data Reader are battery operated. The Remote Data Collectors may be connected to a certified Barrier (BAS00ATEX7216).

Nomenclature

RDC-CAT, connected to a linear polarization probe  
RDC-COT, connected to an electrical resistance probe  
RDC4-COT, four channel unit

When provided with:

Internal battery pack	External power supply
RDC-CAT-X-3-2-(-L)	RDC-CAT-X-0-2-(-L)
RDC-COT-X-3-2-(-L)	RDC-COT-X-0-2-(-L)
RDC4-COT-X-3-2-(-L)	RDC4-COT-X-0-2-(-L)

X = A, B or S which define the type of connector

3 = battery connected

0 = Barrier connected

L = length of cable supplied. 100 ft maximum

Temperature range

$-20^{\circ}\text{C} \leq T_{\text{amb}} \leq 50^{\circ}\text{C}$

RDC - 3 with battery pack EEx ib IIC T4 ( $T_{\text{amb}} = 50^{\circ}\text{C}$ )

RDC - 0 with remote power supply EEx ib IIB T4 ( $T_{\text{amb}} = 50^{\circ}\text{C}$ )

RDC - 3 with battery pack EEx ib IIC T3 ( $T_{\text{amb}} = 70^{\circ}\text{C}$ )

RDC - 0 with remote power supply EEx ib IIB T3 ( $T_{\text{amb}} = 70^{\circ}\text{C}$ )

[16]

Report No.:

Project Report No.: 03NK07914 (Hazardous Location Testing)

Certificate: SYST 04 ATEX 135586X  
Report: 03NK07914

P 2 / 3

**UL International Demko A/S**

Lyskaer 8, P.O. Box 514  
DK-2730 Herlev, Denmark  
Telephone: +45 44856565  
Fax: +45 44856500

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



An Affiliate of  
**Underwriters  
Laboratories Inc.®**

[13]

## Schedule

[14]

### EC-TYPE EXAMINATION CERTIFICATE No.

DEMKO SYST 04 ATEX 135586X

#### Drawings:

item	Drawing number	Rev	Pages	Date	Subject
	System				
1	723203	D	4	24-May-04	System Interconnect Diagram

[17] Special conditions for safe use:

The datalogger is marked with an X indicating it is to be wiped clean with a dampened cloth to avoid electrostatic charges.

The installation drawings for the SYST are to be referred to during installation.

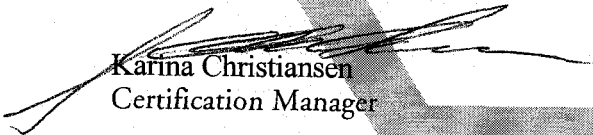
[18] Essential Health and Safety Requirements

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

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, 2004-06-08

  
Karina Christiansen  
Certification Manager

Certificate: SYST 04 ATEX 135586X  
Report: 03NK07914

P 3 / 3

**UL International Demko A/S**

Lyskaer 8, P.O. Box 514  
DK-2730 Herlev, Denmark  
Telephone: +45 44856565  
Fax: +45 44856500

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



An Affiliate of  
**Underwriters  
Laboratories Inc.®**