

# 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 03 ATEX 133432

[4] Equipment or Protective System: Portable Data Terminal, model CDM

[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: 03NK07915A

[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

[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.

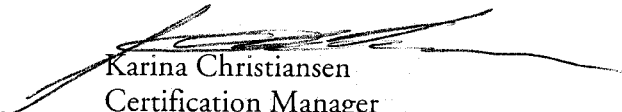
[11] This EC-Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of this Directive apply to the manufacturing process and supply of this equipment or protective system.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

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

Ⓧ II 2G EEx ib IIC T4

On behalf of UL International Demko A/S

Herlev, 2004-01-06

  
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 03 ATEX 133432

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 03 ATEX 133432

[15]

#### Description of Equipment or protective system:

Portable Data Terminal model CDM is a handheld data recorder intended for use with Rohrbach Cosasco Systems Inc. remote data collectors, or to a number of probes in a Hazardous Location, and also with a computer in a non Hazardous Location via an interface accessory unit.

#### Types comprised by the Certificate

Model CDM Data reader

#### Electrical Data

9V from six 1.5V AA Batteries.

The batteries are Duracell MN1500, Energizer E91, EN91 or Rayovac 815 alkaline type.

#### Output

Pins 2 and 3 to Pin 1

$U_o = 11.1 \text{ V dc}$

$I_o = 23.3 \text{ mA dc}$

$P_o = 63 \text{ mW}$

$C_o = 1.9 \text{ uF}$

$L_o = 65 \text{ mH}$

$U_i = 11.1 \text{ V dc}$

$P_i = 0.3 \text{ W}$

$C_i$  is negligible,  $L_i = 0$ .

Pins 4 to 15 inclusive Not Used

#### Temperature Data

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

[16]

#### Report No.:

Project Report No.: 0307915A (Hazardous Locations Testing)

Certificate: 03 ATEX 133432  
Report: 03NK07915A-01

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.®**

Schedule DEMKO 03 ATX 133432

Drawings:

Drawing Number	Sheets	Rev.	Date	Title
723200	1	B	6 Oct 03	Top Assy Mate Demko
723225	1	A	29 Aug 03	PCB Assy Mate
723228	2	A	6 Oct 03	Schametic Mate
723226	1	-	20 Aug 03	PCB Mate
723214	2	-	30 Sep 03	Case Bottom
723215	2	-	30 Sep 03	Case Top
723217	1	-	30 Sep 03	Battery Access Door
723045	1	-	30 Sep 03	Static Guard Keyboard
723234	1	-	6 Oct 03	Cable Assy HT/1121EHTDE15
006427	1	A	16 Dec 03	Label Corrrdata Mate Demko
51-0013-0000	1	A	30 Sep 03	Battery 1.5V Alkaline
011422	1	E	28 Dec 94	Cable RDC/Datalogger to Mate
723230	1	-	3 Oct 03	Cable Mate to PC Interface Isolator
723231	1	-	3 Oct 03	PCB Assy Isolator
723034	1	C	3 Oct 03	Schametic
723033	1	H	3 Oct 03	PCB Mechanical Detail Isolator
006428	1	-	3 Oct 03	Label Mate to PC Isolator Demko

[17] Special conditions for safe use: None

[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.

On behalf of UL International Demko A/S

Herlev, 2004-01-06

Karina Christiansen  
Certification Manager

Certificate: 03 ATEX 133432  
Report: 03NK07915A-01

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.®**