

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 0307577X

[4] Equipment or Protective System: 4020 LT Transmitter

[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: 03NK07577

[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 ia IIC T4

On behalf of UL International Demko A/S

Herlev, 2004-01-20


Karina Christiansen
Certification Manager

Certificate 03 ATEX 0307577

P1

UL International Demko A/S

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entirety and without any change, schedule included



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[13]

Schedule

[14]

EC-TYPE EXAMINATION CERTIFICATE No.

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[15] Description of Equipment or protective system:

The Model 4020LT is designed to measure and transmit information on corrosive gasses in metal pipes. The device consists of a transmitter unit and a probe. Several types of probes may be used with the device.

Types comprised by the certificate:

Model 4020LT Transmitter

Electrical data:

Supply: $U_i: 25,11V$ $I_i: 125\text{ mA}$ $P_i: 0,78W$

Temperature data:

$-20^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$

[16] Report No.:

Project Report No.:03NK007577 (Hazardous Location Testing)

Drawings Number	Rev	Sheet	Date	Description
081036	B	1	7-Oct-03	Installation Diagram
402202	G	1	7-Oct-03	Top Assy, 4020LT
006300	H	1	22-Oct-03	Label, Demko
402204	H	1	22-Oct-03	Enclosure Sub-Assy
402048	D	1	25-Nov-03	Schematic
402210	G	1	7-Oct-03	PCB Bracket Sub-Assy
402221	H	1	25-Sep-03	PCB Assy, Power Board
402047	E	5	30-Apr-03	PCB, Power Board
094248	H	1	7-Oct-03	Transformer, Potted Diodes (T201)
094257	A	1	7-Oct-03	Transformer, Probe Drive (T201)
402005	S	1	25-Nov-03	PCB Assy, Signal Board
402007	J	1	25-Sep-03	PCB Mechanical Detail
094277	Initial Release	1	25-Nov-03	Transformer, Potted Diodes (T101, T102)
994229	Initial Release	1	25-Nov-03	Transformer, Input, Matched Pair (T101, T102)
044054	S	1	23-Oct-03	Test Probe
402228	J	1	23-Oct-03	Cable Std
402229	E	1	23-Oct-03	Cable Flex

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.

[17] Special conditions for safe use:

The Transmitter has a plastic enclosure and static charges are dealt with by the marking "wipe with a damp cloth".

[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, 2008-06-18

Karina Christiansen
Certification Manager