



(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: LOM 05ATEX2060 X

(4) Equipment or Protection System Capacitive level detector
Type Solicap 400...EX

(5) Applicant: CONTROL INSTRUMENTS MESURA S.L.

(6) Address Guifré, 665 1º
08912 BADALONA(BARCELONA)
SPAIN

(7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) Laboratorio Oficial J.M. Madariaga (LOM), notified body number 0163 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament 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 the 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 nr. LOM 04.225 NP

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
Standards EN 50014:1997 + A1:1999 + A2:1999
EN 50020:2002
EN 50281-1-1:1998 + A1:2002

(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 and construction of this specified equipment or protective system in accordance with the Directive 94/9/EC. Further requirements of the Directive applies to the manufacture and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

Ex II 2/1 D EEx [a]ia IIA T6 IP65 T85 °C Ta:-20 /+ 60 °C

Madrid, 13rd May 2005

Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY



Angel Vega Remesal
Head of ATEX area

(This document may only be reproduced in its entirety and without any change)

This Certificate is a translation from the original in Spanish. The LOM liability applies only on the Spanish text





LABORATORIO OFICIAL J. M. MADARIAGA

(A1) SCHEDULE

(A2) EC-Type Examination Certificate: **LOM 05ATEX2061**

(A3) Description of equipment or protective system

Capacitive level detector be used in solids that is based on a head box containing electronics and intrinsically safe barrier, and an intrinsically safe capacitive sensor. The head box is preview to install outside tanks or silos having a category 2D; sensor is preview to be installed inside tanks or silos having a category 1D.

This detector is manufactured in two variants: Solicap.400.C-EX with flexible sensor
Solicap.400.R-EX with rigid sensor

These devices have a power rated voltage of 24 Vdc, and 24 to 230 Vac.

Parameters of the type of protection: UM: 250 V

(A4) Test report nr: **LOM 04.225 NP**

(A5) Special conditions for safe use

– It is required for safety the adequate connection of protective conductor and the bonding to earth of the head box.

(A6) Individual tests

None

(A7) Essential Health and Safety Requirements

Explosion safe requirements are covered by application of the standards indicated in page 1/2 of this certificate.

(A8) Descriptive documents:

	Rev.	Date
-Description nr. DT0105		2005-05-04
-Part list nr. DT0104 (3 sheets)	01	2005-05-04
-Drawings nr.:		
DT0096	0	2005-05-04
DT0097	0	2005-05-04
PE0069R0 (2 sheets)	0	2005-05-04
PE0189R0	0	2005-04-20
PE0190R0	0	2005-04-20
PE0191R0	0	2005-04-20
PM0381R0	0	2005-05-04
PM0364R0	0	2004-09-02
PM0365R0	0	2004-09-02



(This document may only be reproduced in its entirety and without any change)



(1) **EC-TYPE EXAMINATION CERTIFICATE SUPPLEMENT**

(2) Equipment or protective system intended for use in potentially explosive atmospheres
Directive 94/9/EC

(3) Supplement nr. 1 to EC-Type Examination Certificate number **LOM 05ATEX2060 X**

(4) Equipment or Protection System Capacitive level detector
Type Solicap.400.-EX / NSC-...EX...

(5) Applicant **KOBOLD MESURA, S.L.U.**

(6) Address **Guifré, 665
08918 BADALONA(BARCELONA)
SPAIN**

(7) Report nr. **LOM 07.059 NP**

(8) Variations included in this certificate

Change of the manufacturer name, before **CONTROL INSTRUMENTS MESURA S.L.**

- Alternative reference of type as NSCR20G60E0.

- Update of applied standards to: EN 61241-0:2006, EN 61241-1:2004 y EN 61241-11:2006

Type codification

Solicap400.- EX
NSC- EX

Model

R= rigid probe, C= cable version

Probe material

20 = stainless steel
21 = PP coated steel cable

Process connection

G6 = G 1" male

Power supply

Option

OFICIAL



This supplement must be an inseparable part together with the base certificate **LOM 05ATEX2060 X**

(This document may only be reproduced in its entirety and without any change)

This Certificate is a translation from the original in Spanish. The LOM liability applies only on the Spanish text





LABORATORIO OFICIAL J. M. MADARIAGA

(3) Supplement nr. 1 to EC-Type Examination Certificate number **LOM 05ATEX2060 X**

(9) Marking variations



II 2/1

Ex tD[iaD]iaD A21/20 IP65 T85 °C Ta: -20°C / + 60 °C

(10) Descriptive documents

Rev. Date

- Drawings nr.: DT0096R2

2

2007-07-17

OFICIAL



Madrid, 10th September, 2007


Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY


Ángel Vega Remesal
Head of ATEX area

This supplement must be an inseparable part together with the base certificate **LOM 05ATEX2060 X**

(This document may only be reproduced in its entirety and without any change)

This Certificate is a translation from the original in Spanish. The LOM liability applies only on the Spanish text

Page 2/2