



EC-TYPE EXAMINATION CERTIFICATE

- (1) EC-Type Examination Certificate nr **LOM 08ATEX2039**
- (2) Equipment or protective system intended for use in potentially explosive atmospheres
Directive 94/9/EC
- (3) Equipment or protection system **Vibrating switch levels**
Types SOLIVIB...E... / NSV...E...
- (4) Applicant **KOBOLD MESURA, S.L.U.**
- (5) Address **Grifé, 655**
08918- Badalona (BARCELONA)
SPAIN
- (6) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (7) 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 08.082 WP**
- (8) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- Standards **EN 61241-0:2006** **EN61241-1:2004**
- (9) 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.
- (10) 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 apply to the manufacture and supply of this equipment or protective system. These are not covered by this certificate.
- (11) The marking of the equipment or protective system shall include the following:

II 1/2 D Ex tD A20/A21 IP65 T80 °C
-20 °C ≤ Ta ≤ +60 °C

Madrid, 22nd June 2008

OFICIAL



Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY

Angel Vega Remesal
Head of the ATEX

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

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





LABORATORIO OFICIAL J. M. MADARIAGA

(A1) SCHEDULE

(A2) EC-Type Examination Certificate: LOM 08ATEX2039

(A3) Description of equipment or protective system

Level sensor intended for solids which operates by a vibrating diapason powered by a piezoelectric device. It has a category 2D metallic enclosure which contains the electronic devices and a category 1D diapason. The whole device have different threaded adapters as process connection, typically tanks and silos. The output signal is by means of a relays.

The power supply can be done at 230 Vac, 110 Vac, 24 Vac and 18-36 Vdc

The device is foreseen to be commercialised with two type references: SOLIVIB and NSV

Type codification

NSV E
SOLIVIB E

Generic reference

SOLIVIB or NSV

Pitchfork type

Pitchfork material

Length of sensor element

Process connection

Voltage

Option code

(A4) Test report nr LOM 08.082 WP

(A5) Special conditions for safe use

None

(A6) Individual tests

None

(A7) Essential Health and Safety Requirements

Explosion safe requirements are covered by application of the standards indicated in page 1/3 of this certificate.



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 08ATEX2039**

(A8) Descriptive Documents

	Rev.	Date
- Description nr.:	DT0315	2008-02-11
- Marking sheet nr.:	DT0331	2008-02-05
- Type codification nr.:	DT0333	2008-02-05
- Component list nr.:	DT:0117 (4 sheets) 2	2007-07-10
- Drawings nr.:	PE0199 (5 sheets) 1	2008-02-05
	DT0202 0	2007-07-10
	DT0203 0	2007-07-10
	DT:0115R1 1	2007-07-10
	DT:0116R1 1	2007-07-10
	PM0561R0 0	2008-01-30
	PM0381R0 0	2004-10-20
	PM0366R0 0	2004-09-02
	PM0367R0 0	2004-09-02
	PM0557R0 0	2008-01-30
	PM0558R0 0	2004-09-20



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