



(1) **EU-Type Examination Certificate**

(2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**

(3) Certificate number: **SEV 13 ATEX 0108 X**

(4) Product: **Level Sensor NGM-xxx**

(5) Manufacturer: **KOBOLD Messring GmbH**

(6) Address: **Nordring 22-24, 65719 Hofheim, GERMANY**

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

(8) Electrosuisse SEV, notified body No. 1258, in accordance with article 17 of Directive 2014/34/EU of the European parliament and of the council, dated 26 February 2014, certifies that this product has been found to comply with the essential health and safety requirements relating to the design and construction of products 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 09-IK-0358.40 incl. ext1

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:12 + A11:13

EN 60079-1:14

EN 60079-11:12

EN 60079-26:15



EN 60079-31:14

Except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign «X» is placed after the certificate number, it indicates that the product is subjected to special conditions for safe use specified in the schedule to this certificate

(11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:

	II 1/2G	Ex ia/db IIC T6 Ga/Gb		II 2G	Ex ia db IIC T6 Gb
	II 1/2D	Ex ia/tb IIIC T86 °C IP68 Da/Db		II 2D	Ex ia tb IIIC T86 °C IP68 Db

Electrosuisse
Notified Body ATEX

Martin Plüss
Product Certification



(13)

Appendix

(14)

EU-Type Examination Certificate

(15) **Description of product**

4-wire NGM-Sensor with single rod, wire rope or coaxial probe for continuous level measurement and point level detection in liquids, with analog and switching output. The sensor is delivered without cable glands. It is the customer's responsibility to seal the two cable entries with approved cable glands.

Rating:	Supply voltage:	U = 12...30 VDC	(Um 250 VAC)
	Analog output:	I = 4...20 mA	(Um 250 VAC)
	Switching output:	Us = 0...U	(Um 250 VAC)

Rated ambient temperature range: -40 °C to +70 °C

The temperature class depends on ambient temperature and application temperature on the sensor. This relations are shown in the following tables:

CATEGORY 1/2G		
Temperature class	Application temperature	Ambient temperature
T1...T6	-20...+60 °C	-40...+70 °C
CATEGORY 2G		
T6	-40...+85 °C	-40...+70 °C
T5	-40...+100 °C	-40...+70 °C
T4	-40...+135 °C	-40...+70 °C
T1...T3	-40...+150 °C	-40...+70 °C
CATEGORY 1/2D and 2D		
max. surface temperature: +86 °C		-40...+70 °C

(16) **Report number** 09-IK-0358.40 incl. ext1

(17) **Specific conditions of use**

POWER DOWN WARNING:

Marking and Safety Instruction: After de-energizing, wait 6 minutes before opening

CABLE ENTRIES AND CABLE GLANDS:

Safety Instruction: The housing has two cable entries. For installation in hazardous areas, only cable glands certified according to IEC 60079-1 or certified conduit systems are permitted.

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
Keine	

(19) **Drawings and Documents**

See Test Report "Manufacturer's Documents"