

**(1) EC-TYPE EXAMINATION CERTIFICATE****(2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC****(3) EC-Type Examination Certificate Number: KEMA 02ATEX2106 X Issue Number: 2****(4) Equipment: Bypass Level Indicator, Type BNA...EX and Type UTN...EX****(5) Manufacturer: KSR KUEBLER Niveau-Messtechnik AG****(6) Address: Im Kohlstatterfeld 17, D-69439 Zwingenberg, Germany****(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.****(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 test report number 212399700-1.

**(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:****EN 13463-1 : 2000****prEN 13463-5 : 2000****(10) If the sign "X" is placed after the certificate number, it indicates that the equipment 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 according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.****(12) The marking of the equipment shall include the following:****II 1 G c T1 ... T6 or  
II 1/2 G c T1 ... T6 or  
II 2 G c IIC T1...T6 or  
II 2 G c IIB T1...T6**

This certificate is issued on April 8, 2009 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.

  
P.T. van Nijen  
Certification Manager

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 02ATEX2106 X** Issue No. 2

(15) **Description**

The Bypass Level Indicators Type BNA...EX and Type UTN...EX serve to monitor the level in tanks of flammable liquids. It consists of a bypass chamber, a magnetic float and optionally a magnetic roller indicator.

The relation between the temperature class, the maximum permissible process temperature and the ambient temperature range shall be taken from the following table:

Temperature class	Process temperature	Ambient temperature range
T1	≤320 °C	-50 °C ... + 80 °C
T2	≤240 °C	
T3	≤160 °C	
T4	≤108 °C	
T5	≤80 °C	
T6	≤68 °C	-50 °C ... + 68 °C

**Installation instructions**

The relation between the type, the window cover material of the Level Indicator and the maximum process temperature shall be taken from the following table.

Type	Material window cover	Maximum process temperature
MRA	PC (Polycarbonate/Makrolon)	180 °C
MRK	Glass	> 180 °C
MRAN	PC (Polycarbonate/Makrolon)	180 °C
MNAV	PC (Polycarbonate/Makrolon)	180 °C
MNKV	Glass	> 180 °C
/P	PMMA (Polymethylmetacrylate/Plexiglass)	100 °C

(16) **Test Report**

KEMA No. 212399700-1.

(17) **Special conditions for safe use**

For the relation between the process temperature, the temperature class and the ambient temperature range see (15).

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 212399700-1.