

CERTIFICATE

(1) EC-Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 05ATEX2191 X** Issue Number: **5**

(4) Equipment: **Gas Analyzer type ENCAL 3000**

(5) Manufacturer: **Elster GmbH**

(6) Address: **Steinern Strasse 19-21, 55252 Mainz-Kastel, Germany**

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

(8) DEKRA Certification 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 212675200.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2012

EN 60079-1 : 2014

(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 2 G Ex db IIC T6 Gb

This certificate is issued on 10 December 2015 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.

DEKRA Certification B.V.

T. Pijpker
Certification Manager



(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 05ATEX2191 X**

Issue No. 5

(15) **Description**

The Gas Analyzer type ENCAL 3000 is used to measure the concentrations of the different components of a gas.

Ambient temperature range 0 °C to +55 °C.

Optional temperature extension with internal heating -20°C to +55°C.

Optional temperature extension with internal heating and external insulation -40°C to +55°C.

Electrical data

Power supply : 24 Vdc, 50 W, nominal non-heated and 120 W nominal heated version.

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No.212675200, issue 2.

(17) **Specific conditions of use**

The flameproof enclosure shall not be opened when an explosive gas atmosphere may be present.

The process pressure shall be limited to 2 MPa to ensure that the pressure rise inside the flameproof enclosure remains below 10 kPa.

For information on the dimensions of the flameproof joints the manufacturer shall be contacted.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 212675200, issue 2.