

CERTIFICATE

(1) EU-Type Examination

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

(3) EU-Type Examination Certificate Number: **KEMA 05ATEX2191 X** Issue Number: **7**

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

(5) Manufacturer: **Elster GmbH**

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

(7) This product 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 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 test report number NL/KEM/ExTR10.0103/04.

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

EN 60079-0 : 2012 + A11

EN 60079-1 : 2014

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 subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the 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 2 G Ex db IIC T6 Gb

Date of certification: 22 October 2020

DEKRA Certification B.V.

L.G. van Schie
Certification Manager



(13) **SCHEDULE**

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

Issue No. 7

(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 +60 °C.

Optional temperature extension with internal heating -20°C to +60 °C.

Optional temperature extension with internal heating and external insulation -40°C to +60 °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 product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/KEM/ExTR10.0103/04.

(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 item (9).

(19) **Test documentation**

As listed in Report No. NL/KEM/ExTR10.0103/04.

(20) **Certificate history**

Issue 1 - 207611900	Initial certificate.
Issue 2 - 212675200	Update of the standards.
Issue 3 - 216331000	Update of the production place.
Issue 4 - 218209100	Updated of the standards.
Issue 5 - 217229400	Update to Gas group IIC and change of the Manufacturer.
Issue 6 - 222460600	Update of the ambient temperature range.
Issue 7 - 224920900	Minor constructional changes.