



(1) **EU-TYPE EXAMINATION CERTIFICATE**
(Translation)

(2) Equipment or Protective Systems Intended for Use in
Potentially Explosive Atmospheres - **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number:

PTB 12 ATEX 1013 X

Issue: 01

(4) Equipment: Dew-point measuring unit, type CONG-Prima-2M

(5) Manufacturer: LLC SPA Vypel

(6) Address: 143530, Russia, Moscow Area, Istrinskij District,
Dedowsk, Schkolnij Passage, House Nr.11

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

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 17 of the 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 the confidential Test Report PTB Ex 19-17031.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-1:2014

(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.

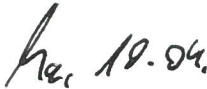
(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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

 **II 2 G Ex db IIB+ H₂ T5 Gb**

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, April 10, 2019


Dr.-Ing. D. Markus
Direktor und Professor



(13)

SCHEDULE

(14) **EU-Type Examination Certificate Number PTB 12 ATEX 1013 X, Issue: 01**

(15) Description of Product

The CONG-Prima-2M dew-point measuring unit is used for determining the moisture and hydrocarbon dew points in gases, preferably natural gas. The unit uses the condensation method, in which cooling makes the gas layer that borders on the measuring surface change to the saturated phase at the corresponding operating pressure.

The installed electronic system converts the measured value into an amperage signal of 4 - 20 mA.

Technical data

Supply voltage	12 to 32 V DC
Power dissipation:	max. 15W
Output signal	analogue 4 - 20 mA DC Digital RS 485 Modbus

(16) Test Report PTB Ex19-17031

(17) Specific conditions of use

Repairs on flameproof joints may only be performed in accordance with the manufacturer's design specifications. Repair on the basis of the values in table 2 of EN 60079-1 is not permitted.

Additional notes for safe operation

Components attached or installed (terminal compartments, bushings, Ex-type cable glands, connectors) shall be of a technical standard that at least complies with the specifications on the cover sheet, and they shall have a separate examination certificate. The operating conditions specified in the component certificates must be complied with.

Connection conditions

- 1 The CONG-Prima-2M dew-point measuring unit shall be connected with suitable cable glands or conduit systems that meet the requirements set forth in EN 60079-1, section 13, and for which a separate test certificate has been issued. If the CONG-Prima-2M dew-point measuring unit is connected to conduit systems, the required sealing device shall be provided immediately at the enclosure.

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SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 12 ATEX 1013 X, Issue: 01

2. Cable glands (Pg type glands) and blanking plugs of a simple design must not be used.
3. Openings that are not used shall be closed in compliance with the specifications in EN 60079-1, section 11.
4. If connection is made in the potentially explosive area, the connecting cable (unconnected cable end) of the CONG-Prima-2M dew-point measuring unit shall be connected in an enclosure that meets the requirements of an approved type of protection in accordance with EN 60079-0, section 1.
5. The connecting cable of the CONG-Prima-2M shall be fixed and routed so it will be adequately protected against mechanical damage.
6. If the temperature at the input parts exceeds 70 °C, temperature-resistant connecting cables shall be used.
7. The CONG-Prima-2M dew-point measuring unit shall be included in the local equipotential bonding system of the potentially explosive area.
8. The sand filled structural component is sealed by the manufacturer and must not be opened by the user.

These notes and instructions shall accompany each device in an adequate form.

Minimum ambient temperature

The minimum ambient temperature of the unit is -40 °C.

Warning note

The product has to be declared with the following warning note: "Do not open when energized!"

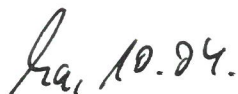
(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

According to Article 41 of Directive 2014/34/EU, EC-type examination certificates which have been issued according to Directive 94/9/EC prior to the date of coming into force of Directive 2014/34/EU (April 20, 2016) may be considered as if they were issued already in compliance with Directive 2014/34/EU. By permission of the European Commission supplements to such EC-type examination certificates and new issues of such certificates may continue to hold the original certificate number issued before April 20, 2016.

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, April 10, 2019



Dr.-Ing. D. Markus
Direktor und Professor