

## EU - Type Examination Certificate

(1)

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

(3) EU - Type Examination Certificate Number

**EPS 21 ATEX 1 175 X**

**Revision 0**

(4) Equipment: Solitrend MMP40, MMP41, MMP42, MMP44, MMP60

(5) Manufacturer: Endress+Hauser SE+Co. KG

(6) Address: Hauptstraße 1  
79689 Maulburg  
Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, 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 of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 19TH0405.

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


**EN IEC 60079-0:2018**

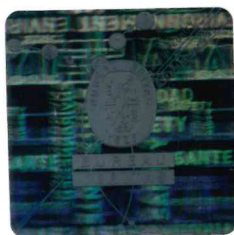
**EN 60079-31:2014**

(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 annex to this certificate.

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

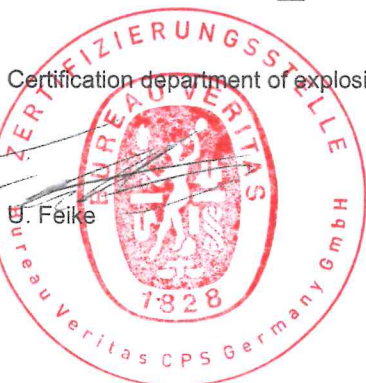
(12) The marking of the equipment shall include the following:

 II 2D Ex tb IIIC T75°C Db



Certification department of explosion protection

Hamburg, 2021-09-22



(13) **Annex**

(14) **EU - Type Examination Certificate EPS 21 ATEX 1 175 X**

**Revision 0**

(15) Description of equipment:

The Solitrend sensor series is designed for humidity measurements in dust hazardous areas. They each consist of an enclosure housing the evaluation unit and the actual sensor body. Evaluation unit and sensor body are connected via a coax cable and are both suitable for zone 21 dust atmospheres.

Electrical data:

12 V – 24 V dc, max. 250 mA @ 12 V, max. 125 mA @ 24 V, max. 3 W

(16) Reference number: 19TH0405

(17) Special conditions for safe use:

The ambient temperature range is -10°C to +70°C.

The cable needs to be installed in a fixed arrangement.

The MMP44 sensor needs to be protected from ultraviolet light.

Potential equalization of the sensor equipment needs to be realized in the final installation.

(18) Essential health and safety requirements:

Met by compliance with standards.



Hamburg, 2021-09-22