

[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 **IBExU08ATEX1159** | Issue 1

[4] Product: **Datameasurement- and Storing system PWBlogg N6/...-Ex1**

[5] Manufacturer: Paul Wegener GmbH

[6] Address: Marienstrasse 24
06493 Ballenstedt
GERMANY

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

[8] IBExU Institut für Sicherheitstechnik GmbH, Notified Body number 0637 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 the confidential test report IB-17-3-0072 of 2017-08-29.

[9] Compliance with the essential health and safety requirements has been assured by compliance with:
EN 60079-0:2012+A11:2013 EN 60079-11:2012
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 2G Ex ib IIB T4**
-20 °C ≤ T_a ≤ +60 °C

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg, GERMANY

By order

(Dipl.-Ing. [FH] Henker)



- Seal -
(Notified Body number 0637)

Tel: + 49 (0) 37 31 / 38 05 0
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Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Freiberg, 2017-08-29

[13]

Schedule

[14]

Certificate number IBExU08ATEX1159 | Issue 1

[15]

Description of product

The Data-measurement- and Storing system PWBlogg N6/...-Ex1 is an battery powered measuring instrument. It's used to monitor and save physical parameter pressure and temperature as well as conditions and counter values.

The metal housing is equipped with an LCD-display and a plastic foil keyboard and provides options for system-belonging sensors and potential-free contacts.

The readout of the stored measurement-data is carried out through infrared data-interface.

Type-key PWBlogg N6/...-Ex1

PWBlogg N6 /b /p /t /d /Ex1

/b – design size

4 Structural shape 100 x 160 x 60 mm³

5 Structural shape 80 x 80 x 60 mm³

6 Structural shape 100 x 100 x 60 mm³

7 Structural shape 180 x 140 x 70 mm³

/p - number of pressure-sensors (max. 4)

/t - number of temperature-sensors (max. 2)

/d - number of digital inputs

Only the system-belonging sensors are permitted to use:

Pressure-sensor: PWB-DS1/40

Temperature-sensor: PWB-TS2/6

Parameter of intrinsic safety:

Accu-packs:

Design size 4 and 7: PWBlogg BP16.5N5-Ex1 7,2 V, 16500 mAh and

Design size 5 and 6: PWBlogg BP7.2N5-Ex1 7,2 V, 7200 mAh

U_o 7.8 V

I_o 394 mA

P_o 0.768 W

C_o 130 µF

Alarm-output:

U_i 18 V

I_i 50 mA

P_i 1.21 W

C_i negligible

L_i negligible

Compared to the previous tests of test reports IB-08-3-383 and IB-09-3-090, the controller board has been updated from status N6/5-v5.0.2.0 (UBE IB-13-3-069) to N6/5 v5.1.1.1.

[16]

Test report

The test results are recorded in the confidential test report IB-17-3-0072 of 2017-08-23.

The test documents are part of the test report and they are listed there.

Summary of the test results

The Datameasurement- and Storing system PWBlogg N6/...-Ex1 fulfil the requirements of explosion protection for electrical equipment of the Equipment Group II Category 2G in protection-type "ib" intrinsically safe devices for explosion groups IIB temperature class T4.

[17]

Specific conditions of use

None

[18] Essential health and safety requirements

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item [9], the following are considered relevant to this product, and conformity is demonstrated in the test report: None.

[19] Drawings and Documents

The documents are listed in the test report.

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