



## CONFORMITY STATEMENT (Translation)

(1)

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

(3) Test Certificate Number:

**PTB 05 ATEX 2010 X**

**Issue: 1**

(4) Product: Positioner type 3730-48... and 3730-58...

(5) Manufacturer: SAMSON AG Mess- und Regeltechnik

(6) Address: Weismüllerstraße 3, 60314 Frankfurt, Germany

(7) This product and any acceptable variation thereto are 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 17-25140.

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

**EN 60079-0:2012/A11:2013 EN 60079-15:2010 EN 60079-31:2014**

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Conformity Statement relates only to the design and construction of the specified product in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this product.

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



**II 3 G Ex nA IIC T6 Gc bzw. II 3 D Ex tc IIIC T80 °C Dc**

Konformitätsbewertungsstelle Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, June 22, 2017

  
Dr.-Ing. F. Lienesch  
Regierungsdirektor



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Conformity Statements without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

(13)

## SCHEDULE

(14)

### CONFORMITY STATEMENT PTB 05 ATEX 2010 X, Ausgabe: 1

(15) Description of the product

The positioners of types 3730-48... and 3730-58... are communication-capable, bus-powered field devices which are used to assign a valve position to a control signal.

They are mounted onto levitation and slewing actuators. Non-flammable media are used as pneumatic auxiliary power. The equipment is intended for the application inside the hazardous area.

#### Thermal and electrical maximum values:

The permissible ambient temperature range for dust group IIIC is between -55 °C ... 80 °C.

For the relationship between temperature class and permissible ranges of the ambient temperature for gas group IIC reference is made to the following table:

Temperature class	permissible ambient temperature range
T6	-55 °C ... 60 °C
T5	-55 °C ... 70 °C
T4	-55 °C ... 80 °C

BUS-connection signal circuit ..... (Terminals 11/12)	Nominal signal: Rated voltage:	24 V DC 28 V
Binary input 1..... (Terminals 87/88)	Nominal signal: Rated voltage:	6 ... 30 V DC 30 V
Binary input 2..... (Terminals 85/86)	only for connection to a passive floating contact circuit	
Limit contact, inductive ..... (Terminals 41/42)	Nominal signal: Rated voltage:	8 V DC, 8 mA 16 V
Forced deaeration..... (Terminals 81/82)	Nominal signal: Rated voltage:	6 ... 24 V DC 28 V

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## SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 05 ATEX 2010 X, Issue: 1

### Changes against previous issue:

The changes concern the update of the applied standards, the electrical data, the cancelation of type of protection "nL", the adding of dust ignition protection by enclosure, the application of alternative gasket material of the enclosure and alternative construction of the enclosure.

### (16) Test report PTB Ex 17-25139

### (17) Specific conditions of use

The program-interface intended for connection to the positioners of types 3730-48... and 3730-58... shall be installed outside of the hazardous area.

For type of protection "nA" applies:

If the program-interface adaptor is connected to a circuit of type of protection "nA" a fuse according to IEC 60127-2/II, 250 V F or according to IEC 60127-2/VI, 250 V T with a nominal fuse current of max.  $I_N \leq 40$  mA shall be connected in series to the Vcc-circuit. The fuse shall be arranged outside of the hazardous area.

### (18) Essential health and safety requirements

Met by compliance with the aforementioned harmonized standards.

According to Article 41 of Directive 2014/34/EU, Conformity Statements 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 Conformity Statements 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, June 22, 2017

  
Dr.-Ing. F. Lienesch  
Regierungsdirektor

