



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx PTB 10.0057	Page 1 of 4	Certificate history: Issue 0 (2010-12-10)
Status:	Current	Issue No: 1	
Date of Issue:	2020-09-17		
Applicant:	SAMSON AKTIENGESELLSCHAFT Weismüllerstraße 3 60314 Frankfurt am Main Germany		
Equipment:	Digital positioner, type 3730-6-111, 3730-6-211 and 3730-6-511 with HART communication		
Optional accessory:			
Type of Protection:	Intrinsic Safety "i", Flameproof enclosures „d“, Protection by enclosures „tD“		
Marking:	type 3730-6-111 Ex ia IIIC T80 °C Db and Ex ia IIC T6 Gb type 3730-6-211 Ex db[ia] IIC T6 Gb and Ex tb IIIC T80 °C Db type 3730-6-511 Ex tb IIIC T80 °C Db		

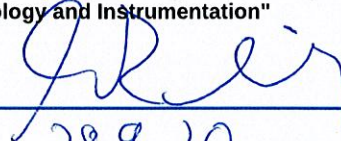
Approved for issue on behalf of the IECEx
Certification Body:

Dr. F. Lienesch

Position:

**Head of Department "Explosion Protection in Sensor
Technology and Instrumentation"**

Signature:
(for printed version)


28.9.20

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany





IECEx Certificate of Conformity

Certificate No.: **IECEx PTB 10.0057**

Page 2 of 4

Date of issue: 2020-09-17

Issue No: 1

Manufacturer: **SAMSON AG Mess- und Regeltechnik**
Weismuellerstr. 3
60314 Frankfurt am Main
Germany

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/PTB/ExTR10.0065/01

Quality Assessment Report:

DE/TUN/QAR06.0011/10



IECEx Certificate of Conformity

Certificate No.: **IECEx PTB 10.0057**

Page 3 of 4

Date of issue: 2020-09-17

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The digital positioner with HART communication is a single or double acting positioner. It is used for the conversion of electrical actuating signals into pneumatic actuating pressure signals.

The equipment is installed inside the hazardous area.

The equipment is available in two designs, type 3730-6-111 and type 3730-6-211 with a field barrier connected in series.

For further information see schedule.

SPECIFIC CONDITIONS OF USE: NO



IECEx Certificate of Conformity

Certificate No.: IECEx PTB 10.0057

Page 4 of 4

Date of issue: 2020-09-17

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Adding the modifications of the first and second supplement of PTB 10 ATEX 2007.
2. Update to Standards IEC 60079-0:2017, IEC 60079-11:2012 and IEC 60079-31:2014.
3. Added positioner connection to intrinsically safe circuits of Group III.
4. Added to the model code 3730-6-511 for type of protection Ex tb.
5. Added a dedicated nameplate for the Ex tb unit.
6. Update labelling according to the following table for housings with closed cover or with window in the cover according to drawings 1050-1443, 1050-1444
7. Labelling

Annex:

Annex to IECEx PTB 10.0057 issue-01.pdf