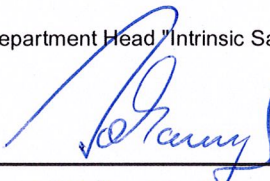




IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:	IECEx PTB 10.0058X	issue No.:0	Certificate history:
Status:	Current		
Date of Issue:	2010-12-10	Page 1 of 3	
Applicant:	SAMSON AG Mess- und Regeltechnik Weismuellerstr. 3 60314 Frankfurt am Main Germany		
Electrical Apparatus: Optional accessory:	Digital positioner, type 3730-6-811		
Type of Protection:	Construction, test and marking of type of protection "n", Protection by enclosures „tD“		
Marking:	Ex nA II T6 or Ex nL IIC/IIB T6 or Ex tD A22 IP66 T80 °C		
Approved for issue on behalf of the IECEx Certification Body:	Dr.-Ing. U. Johannsmeyer		
Position:	Department Head "Intrinsic Safety and Safety of Systems"		
Signature: (for printed version)			
Date:	2011-01-12		

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





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

Manufacturing location(s):

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 electrical apparatus 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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-15 : 2001 Edition: 2	Electrical apparatus for explosive gas atmospheres - Part 15: Type of protection 'n'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical 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/ExTR10.0066/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0011/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The digital positioner of type 3730-6-811 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.

For relationship between type of protection, temperature class, options and permissible ambient temperature range, reference is made to the table:

For further information see schedule

CONDITIONS OF CERTIFICATION: YES as shown below:

Type of protection Ex nA II: A fuse according to IEC 60127-2/II, 250 V F or IEC 60127-2/VI, 250 V T with a nominal fuse current of max. 80 mA shall be connected in series to the signal circuit and to the position check-back circuit. A fuse according to IEC 60127-2/II, 250 V F or IEC 60127-2/VI, 250 V T with a nominal fuse current of max. 40 mA shall be connected in series to the serial SSP interface. All fuses shall be installed outside of the hazardous area.

Type of protection Ex nL IIC: No fuses are required for the operation with energy-limited circuits of type of protection Ex nL IIC.

Annexe: [C100058_Schedule.pdf](#)