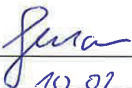




IECEx Certificate of Conformity

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 15.0002X	Issue No.:	0	Certificate history:
Status:	Current			
Date of Issue:	2015-01-13	Page 1 of 4		
Applicant:	VEGA Grieshaber KG Am Hohenstein 113 77761 Schillach Germany			
Electrical Apparatus: <i>Optional accessory:</i>	Display, type DIS176.ICSI			
Type of Protection:	Intrinsic Safety			
Marking:	Ex ib IIC T6 Gb			
Approved for issue on behalf of the IECEx Certification Body:	Dr.-Ing. U. Gerlach			
Position:	Head of Working Group "Ignition Hazards of Modern Energy Supply Systems"			
Signature: (for printed version)				
Date:	10.02.15			

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: **VEGA Grieshaber KG**
Am Hohenstein 113
77761 Schiltach
Germany

Additional 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

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

*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/ExTR15.0005/00

Quality Assessment Report:

DE/TUN/QAR06.0002/06



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The display type DIS176.ICSI is used for measuring and displaying currents. The display is looped into the 4 to 20 mA circuit and obtains the required energy from there. The equipment is mounted into a control board and installed inside the hazardous area.

The indicator can be used within intrinsically safe circuits of Level of Protection ia without affecting its Level of Protection.

CONDITIONS OF CERTIFICATION: YES as shown below:

The indicator must be installed so, that even in the event of rare incidents, an ignition source due to impact or friction between the enclosure and iron/steel is excluded.



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Additional information:

For further information like electrical and thermal specifications, reference is made to the Annex.

Annex: Annex IECEx PTB 15.0002X issue 0.pdf



Applicant:

VEGA Greishaber KG
Am Hohenstein
77761 Schiltach
Germany

Electrical apparatus:

Display, type DIS176.ICSI

Temperature range:

The permissible ambient temperature range is between -40 °C ... 60 °C.

Electrical data

Supply circuit type of protection Intrinsic Safety
(terminals +/- or +/-LED or +/- auxiliary terminal П) Ex ib IIC

only for connection to a certified
intrinsically safe circuit

Maximum values:

U_i = 30 V DC
 I_i = 200 mA
 P_i = 900 mW
 L_i = 35.1 μ H
 C_i negligibly low

