

Translation

EU-Type Examination Certificate Supplement 2

Change to Directive 2014/34/EU

**Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU**

EU-Type Examination Certificate Number: **BVS 06 ATEX E 018**

Product: **Adjustment and indication unit VEGADIS 81 type DIS81(*) .ATI*******

Manufacturer: **VEGA Grieshaber KG**

Address: **Am Hohenstein 113, 77761 Schiltach, Germany**

This supplementary certificate extends EC-Type Examination Certificate No. BVS 16 ATEX E 030 to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any acceptable variations specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH, Notified Body number 0158, 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 Report No. BVS PP 06.1007 EU.

The Essential Health and Safety Requirements are assured in consideration of:

**EN IEC 60079-0:2018
EN 60079-11:2012**

**General requirements
Intrinsic Safety "i"**

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

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.

The marking of the product shall include the following:



I M2 Ex ia I Mb

DEKRA Testing and Certification GmbH
Bochum, 2021-11-24

Signed: Jörg-Timm Kilisch

Managing Director

Page 1 of 4 of BVS 06 ATEX E 018 / N2 – Jobnumber 342452400
This certificate may only be reproduced in its entirety and without any change.

DEKRA Testing and Certification GmbH, Handwerkstr. 15, 70565 Stuttgart, Germany
Certification body: Dinnendahlstr. 9, 44809 Bochum, Germany
Phone +49.234.3696-400, Fax +49.234.3696-401, e-mail DTC-Certification-body@dekra.com



13 Appendix

14 EU-Type Examination Certificate

BVS 06 ATEX E 018
Supplement 2

15 Product description

15.1 Subject and type

Adjustment and indication unit VEGADIS 81
type DIS 81(*)..AT*****

Certificate

M = yes

Mounting

Adjustment and indication unit PLICSCOM

X = without

F = without; lid with inspection window

A = built in

K = built in; with Bluetooth, magnetic pen operation

Cable entry / connection

Housing design / degree of protection

I = compact – IP66/67

N = compact – IP66/68

Enclosure

V = stainless steel

Electronics

I = digital (I²C - communication)

Approvals

T = I M2 Ex ia I Mb

Scope

A = Europe

Labeling

* = OEM customers

15.2 Description

With this supplement the certificate is changed to Directive 2014/34/EU.
(Annotation: In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of Directive 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.)

Reason for the supplement:

- Change to Directive 2014/34/EU
- Updating of the standards EN IEC 60079-0:2018
- The typecode of the adjustment and indicating unit type VEGADIS DIS81.AT1***** changes in adjustment and indicating unit VEGADIS 81 type DIS81(*).AT1*****.
- The aluminum enclosure variants have been deleted.
- The adjustment and indicating unit type VEGADIS DIS61(*).TXV** is discontinued.
- Modification of the adjustment and indication module PLICSCOM with Bluetooth and magnetic pen operation.
- Otherwise: "unchanged"

Description of Product

The adjustment and indicating unit type with integrated adjustment and indicating module is used for parameter adjustment and visualisation of measurement data.

15.3 Parameters

15.3.1 Electrical parameters

DIS81(*).AT1*****M

Supply and signal circuit
(Terminals 5, 6, 7 and 8)

Type of ignition protection Intrinsic Safety Ex ia I.

Only for connection to a certified intrinsically safe circuit with the following maximum values:

U_i = 6.0 V
 P_i = 332 mW
 C_i negligible
 L_i negligible

Adjustment and indication circuit
(spring contacts in the terminal compartment)

Only for connection to the adjustment and indication unit PLICSCOM.

15.3.2 Thermal data

Permitted ambient temperature at the electronics enclosure

-40 °C ... +60 °C

15.3.3 Degree of protection

according to EN 60529

IP66

16 Report Number

BVS PP 06.1007 EU, as of 2021-11-24

17 Special Conditions for Use

None

18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH
Bochum, 2021-11-24
BVS-Rip/HRH/Mu A20210104



Managing Director

Translation

(1) 1st Supplement to the EC-Type Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC Supplement accordant with Annex III number 6
- (3) No. of EC-Type Examination Certificate: **BVS 06 ATEX E 018**
- (4) Equipment: **Adjustment and indication unit type VEGADIS DIS61(*) .TXV** and type VEGADIS DIS81.AT1********
- (5) Manufacturer: **VEGA Grieshaber KG**
- (6) Address: **Am Hohenstein 113, 77761 Schiltach, Germany**
- (7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this supplement.
- (8) The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in the Test and Assessment Report BVS PP 06.1007 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
- EN 60079-0:2012 + A11:2013 General requirements**
EN 60079-11:2012 Intrinsic safety "i"
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the appendix to this certificate.
- (11) This supplement to the EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the equipment shall include the following:



DEKRA EXAM GmbH
Bochum, dated 2015-03-02

Signed: Simanski

Certification body

Signed: Dr. Eickhoff

Special services unit



Page 1 of 4 of BVS 06 ATEX E 018 / N1
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DEKRA EXAM GmbH, Dinnendahlstrasse 9, 44809 Bochum, Germany,
telephone +49.234.3696-105, Fax +49.234.3696-110, zs-exam@deka.com

47348-EN-211124

(13) Appendix to

(14) **1st Supplement to the EC-Type Examination Certificate**
BVS 06 ATEX E 018

(15) 15.1 Subject and type

Adjustment and indication unit type
VEGADIS DIS61(*).TXV**

Mounting / Material

A = for wall fastening / aluminum

B = for wall fastening / stainless steel

C = for cap rail / plastics

D = for pipe mounting / stainless steel

Cable gland

M = M20x1,5

N = ½ NPT

Enclosure / degree of protection

V = stainless steel 1.4435 (316L)

TX = I M2 Ex ia I Mb

Adjustment and indication unit type
VEGADIS DIS81.ATI*****

Certificate

M = yes

Mounting

Adjustment and indication unit PLICSCOM

X = without

A = built in

Cable entry / connection

Housing design / degree of protection

I = compact – IP66/67

N = compact – IP66/68

Enclosure

A = aluminum

V = stainless steel

H = special colour aluminum

Electronics

I = digital (I²C - communication)

Approvals

T = I M2 Ex ia I Mb

Scope

A = Europe

15.2 Description

The adjustment and indicating unit type with integrated adjustment and indicating module is used for parameter adjustment and visualisation of measurement data.

Reasons for this Supplement:

- Updating of the standards, a modified marking is the result.
- The typecode of the adjustment and indicating unit type VEGADIS DIS61(*) .TXV** changes in type VEGADIS DIS61(*) .TX***.
- Modification of the adjustment and indication module PLICSCOM
- Modification of the parameters
- Implementation of type VEGADIS DIS81.ATI*****M

15.3 Parameters

15.3.1 Electrical parameters

15.3.1.1 Type VEGADIS DIS61(*) .TXV**

With built in adjustment and indication unit PLICSCOM

Supply and signal circuit
(Terminals 5, 6, 7 and 8)

Type of ignition protection Intrinsic Safety
Ex ia I.

Only for connection to a certified intrinsically safe circuit with the following maximum values:

$U_i = 6.4 \text{ V}$
 $P_i = 332 \text{ mW}$
 C_i negligible
 L_i negligible

Only for connection to the adjustment and indication unit, terminals 5, 6, 7, 8 of VEGAPULS PS6* .TX***, VEGAFLEX FX6*/8* .TX***, VEGABAR BR5/6* .TX*** or VEGASON SN6* .TX***.

Adjustment and indication circuit
(spring contacts in the terminal compartment)

Only for connection to the adjustment and indication unit PLICSCOM.

In the variant with 2 chambers the adjustment and indication unit may be built in either the electronics compartment or in the terminal compartment.

15.3.1.2 VEGADIS DIS81.ATI*****M

Supply and signal circuit
(Terminals 5, 6, 7 and 8)

Type of ignition protection Intrinsic Safety
Ex ia I. Only for connection to a certified intrinsically safe circuit with the following maximum values:

$U_i = 6.4 \text{ V}$
 $P_i = 332 \text{ mW}$
 C_i negligible
 L_i negligible

Only for connection to the adjustment and indication unit, terminals 5, 6, 7, 8 of VEGAPULS PS6* .***, VEGAFLEX FX6*/8* .*****, VEGABAR BR5/6* .***, VEGACAL CL6* .*** or VEGASON SN6* .***.

Adjustment and indication circuit
(spring contacts in the terminal compartment)

Only for connection to the adjustment and indication unit PLICSCOM.

- 15.3.2 Thermal data
Permitted ambient temperature at the electronics enclosure - 40 °C ...+ 70 °C
- 15.3.3 Degree of protection according to EN 60529 IP66

(16) Test and Assessment Report

BVS PP 06.1007 EG as of 2015-03-02

(17) Special conditions for safe use

None

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH
44809 Bochum, 2015-03-02
BVS-Bo/Ma A 20101053



Certification body



Special services unit