



Rea No: 1999/027771/07

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GOVERNMENT APPROVED TEST LABORATORY
IN TERMS OF ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

IA CERTIFICATE

Date Issued: **11 May 2023**
*Expiry date: **11 May 2026**
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Issue: 2

Ex – Type Examination Certificate

Certificate Number: **S-XPL/17.0505 X**
Equipment: **Display and Adjustment Unit VEGADIS 82**
Model / Type: **VEGA DIS82 (*)•E*******
Applicant: **VEGA Grieshaber KG**
Am Hohenstein 113, 77761 Schiltach
Germany
Manufacturer: **VEGA Grieshaber KG**
Serial No: All serial numbers imported between issued- and expire date and all serial numbers covered by a valid report or acceptable product certification mark.

Supplied by
VEGA Grieshaber KG
Identified by Inspection Authority number
S-XPL/17.0505 X

And as described in the Explolabs file number **XPL/18500/17.0505 Issue 2** is hereby certified "Explosion Protected (Refer to clause 1, for Ex Rating)", having been examined and inspected in accordance with the relevant requirements of South African Standards.

- SANS 60079-0: 2019 Ed 6** Explosive atmospheres Part 0: Equipment — General requirements
- IEC 60079-0: 2017 Ed 7**
- SANS 60079-1: 2015 Ed 5** Explosive atmospheres Part 1: Equipment protection by flameproof enclosures "d"
- IEC 60079-1: 2014 Ed 7**

Risk of ignition provided:

Protection afforded	Equipment Protection Level (EPL)	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
	Group			
High	Gb Group II	Suitable for normal operation and frequently occurring disturbances or equipment where faults are normally taken into account	Equipment remains functioning in zones 1 and 2	T6 (85°C)

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:

- i) SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
- ii) Any conditions mentioned in the above report;
- iii) Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
- iv) Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
- v) A revision certificate replaces all previous version of the certificate.
- vi) * - Only covers equipment imported between the "Issued" and "Expire" dates.
- vii) If and when your QAN (Quality Assurance Notification) Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted the existing IA Certification will then be cancelled. It is thus the client's responsibility to always submit the updated and valid QAN certificate(s) to Explolabs (Pty) Ltd

DOCUMENT No: XPL0213 | RELEASE DATE: 29/05/2018 | REV: 7

This certificate supersedes all previous documents bearing the reference no XPL/18500/17.0505 Issue 1.



1. GENERAL

The marking of the Display and Adjustment Unit VEGADIS 82 shall include the following:
Ex db IIC T6 Gb

The Display and Adjustment Unit model VEGA DIS82 (*) *E***** is used for reading and adjustment of 4 to 20 mA loop powered sensors.

Ambient temperature: -40°C to +60°C

Electrical Data

U ≤ 35 Vdc, I = 4 to 20 mA (max. 22.5 mA) optional HART communication

Nomenclature

VEGADIS 82 model DIS82(*) .abcdefghi

Position	Feature	Description
a	Scope	A ATEX / Europe
b	Approval	E ATEX II 2G Ex db IIIC T... T1 Gb
		J ATEX II 2G Ex db IIC T6 ... T1 Gb or ATEX II 2D Ex tb IIIC T... Db IP66
c	Electronics	X 4 ... 20 mA
		H 4 ... 20 mA/HART
d	Housing	A Aluminium
		H Special colour, Aluminium
		V Stainless steel (precision casting)
e	Protection rating	N IP66/IP68 (0.2 bar); NEMA 6P
		X without
f	Cable entry	M M20 x 1.5 (the approval feature "M" for M20 x 1.5 will then be replaced in the type key by the respective feature of the connection possibility)
		N M20 x 1.5 (the approval feature "M" for M20 x 1.5 will then be replaced in the type key by the respective feature of the connection possibility)
g	Display and adjustment module PLICSCOM	X without
		A mounted
		K mounted; with Bluetooth, magnetic pen operation
		F without; lid with inspection window
h	Mounting type	A Wall mounting with Aluminium or stainless steel housing
		D Carrier rail with Aluminium or stainless steel housing
		E Tube mounting (26 ... 60 mm)
i	Certificates	X without
		M with

Based on the following documentation: DEKRA 14ATEX0130 X, Issue 3

2. INSTALLATION INSTRUCTIONS

It is the manufacturer's responsibility to supply installation instructions with each unit offered for sale as required by IEC/SANS 60079-0 Clause 30.

The instructions provided with the equipment shall be followed in detail to assure safe operation.

3. SPECIAL CONDITIONS FOR SAFE USE (denoted by "X" after certificate number)

Ambient temperature range: -40°C to +60°C.

Electrostatic charging shall be avoided.

The flameproof joints are not intended to be repaired.

4. SCHEDULE OF LIMITATIONS (denoted by "U" after certificate number)

None.

5. CONDITIONS OF CERTIFICATION

All production units must be covered by a QAN (Quality Assurance Notification), Product Mark Scheme or batch evaluation.

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6. MARKING

The following (or similar) information have to be clearly and permanently marked on all units:

Supplier : VEGA Grieshaber KG
Manufacturer : VEGA Grieshaber KG
Equipment : Display and Adjustment Unit VEGADIS 82
Model/Type : VEGA DIS82 (*).*E*****
Serial No. : ---
Ex Rating : Ex db IIC T6 Gb
IA Certificate No : S-XPL/17.0505 X

Responsible Testing Officer:**D Maree****Technical Specialist****EXPLOLABS EXPLOSION PREVENTION SERVICES**

This report/certificate shall not be reproduced except in full without the written approval of the company Explolabs (Pty) Ltd shall not be liable for any losses or damages sustained on account of any failure or omission to properly perform our duties in terms of any contract undertaken by us. This disclaimer is immutable and automatically incorporated in any contract undertaken by us; notwithstanding anything to the contrary, save for the express written waiver of our managing director. By marking the equipment in accordance with the documentation/standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and tests have been successfully completed and that the product complies with the documentation and standard(s). The contents of electronic reports/certificates cannot be guaranteed. Original certification documents will be kept on file at Explolabs (Pty) Ltd

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