GOVERNMENT APPROVED INSPECTION AUTHORITY

MASC

Mining And Surface Certification (Pty) Ltd

2015/021934/07

THIS CERTIFICATE IS ISSUED AS AN I.A. CERTIFICATE IN TERMS OF THE RELEVANT REGULATIONS OF THE MINERALS ACT (INCORPORATING THE MINE HEALTH AND SAFETY ACT) AND THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT.

IA CERTIFICATE	MASC S/19-9009X	**Issue**	0
Issue Date	02 December 2019	**Expiry Date**	02 December 2022
**** Based on Certificate No**	IECEx ULD 19.0016X	**Issue / Variations / Amendment**	2
Requested by	VEGA Grieshaber KG, Am Hohenstein 113, 77761 Schiltach, Germany		
Manufacturer	VEGA Grieshaber KG, Am Hohenstein 113, 77761 Schiltach, Germany		
Additional Manufacturing Location(s)	VEGA Americas, Inc., 4241 Allendorf Drive, Cincinnati, Ohio 45209, United States of America		
Description	The controller VEGAMET 84*(*)/ 86*(*) series are industrial controllers designed for use as associated apparatus permitted for the installation in the potentially explosive atmosphere for EPL Gc equipment. They are able to supply up to two sensors with a intrinsically safe circuit (Ex ia) and can process and display their measurement values trough a 4…20 mA input or HART communication VEGAMET 86*(*) only. ** See base certificate for full description.		
Equipment	Controllers	**Type**	VEGAMET 841(*), VEGAMET 842(*), VEGAMET 861(*), VEGAMET 862(*)
MARKING: **Original marking as per certificate * remains applicable.** **IA number must be added.**	**Type** **Ex Marking** **IA Number** **Warnings**	VEGAMET 841(*), VEGAMET 842(*), VEGAMET 861(*), VEGAMET 862(*) Ex ic ec nC [ia Ga] IIC T4 Gc Ex ic ec nC [ia IIIC Da] IIC T4 Gc -40 °C ≤ Ta ≤ +50 °C MASC S/19-9009X See Base Certificate ** and original marking	
Quality Assurance report (QAR) / Notification (QAN) Expiry date:	DE/TUN/QAR06.0002/09		

Compliance:

The equipment as described above has been allocated the rating Explosion Protected Ex ic ec nC [ia Ga] IIC T4 Gc, Ex ic ec nC [ia IIIC Da] IIC T4 Gc, -40 °C ≤ Ta ≤ +50 °C utilizing the SANS/IEC Standards:

- SANS (IEC) 60079-0: 2019 (2017) Equipment - General requirements
- SANS (IEC) 60079-11: 2012 (2011) Equipment protection by Intrinsic Safety 'i'
- SANS (IEC) 60079-7: 2019 (2015) Equipment protection by Increased Safety "e"
- SANS (IEC) 60079-15: (2017) Equipment protection by type of protection "n"

Special conditions of safe use "X":

- Installation of the device in a protective housing or control cabinet IP54 in accordance with IEC 60079-0 is required.
- The module shall only be used in an area of minimum pollution degree 2 or better, as defined in IEC 60664-1.

Conditions of manufacture:

- ** See base certificate for conditions of manufacture.

Regardt Zeelie
TECHNICAL SPECIALIST

Roelof Viljoen
TECHNICAL SPECIALIST

This certificate covers all units sold as long as the QAR/QAN remains valid.
According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).

Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:
SANS 10086 requirements;
Any conditions mentioned in the above report
Any restrictions and conditions enforced by the chief inspector of mines or chief inspector of factories
Any relevant requirements of the MHS Act.

Mining And Surface Certification (Pty) Ltd
Unit 5 Lelyta Park, 45 Jurg Ave, Hennopspark Ext 87
Centurion, 0157

IA CERTIFICATE: MASC S/19-9009X
Equipment: VEGAMET Controllers

ANNEX A

This document is based on and must be read in conjunction with certificate IECEx ULD 19.0016X.	
Description (According to Base Certificate *)	
"Refer to description in Base Certificate ** (and any applicable schedules/issues/variations)."	
Standard compliance	See Base Certificate *
Special conditions of safe use ("X")	• As above
Conditions of manufacture	• As above
Conditions of Certification	• This IA Certificate covers all units sold from the date of this document to the expiry date of this certificate. • As per ARP 0108 a maximum three yearly review is required on this IA Certificate (expiry is determined as per the QAR/QAN/QMS expiry date). • The apparatus must be additionally marked with the MASC marking details above. • This approval only covers the equipment as certified above and does not include any scheduled additions or variations / amendments / new issues to the certificate(s), made after the above date. • The equipment does not need to be re-tested when used on the conditions and with such restrictions as prescribed by the certificate on which this IA Certificate is based and any other conditions in this IA Certificate. • The certification on which this IA Certificate is based must remain valid. • The extent of the requirements in the ARP 0108 (or regulations), SANS 10108 and any other applicable regulations on the certification of the equipment must remain unchanged. • The Ex quality assurance notification/report for the equipment must remain valid.
Conclusion:	• From the above and the selective examination of the documentation, nothing contrary to the requirements of the applicable standards was found, provided that the equipment / component is used as described in the above document / certificate and according to the MASC conditions below. A MASC IA certificate is issued based on the work done as per the Base Certificate **. • The routine tests for production units according to the Base Certificate ** must be complied with (if applicable).

Mining and Surface Certification (Pty) Ltd Reg No: 2015/021934/07
Directors: Roelof Viljoen & Francoius du Toit
Unit #5, Lelyta Park, 45 Jurg Avenue, Hennopspark Ext 87, Centurion, 0157
P.O. Box 14344, Clubview, 0014
Tel: 012 653 2959 ◊ Fax: 086 605 8568
e-mail: **info@masc-ex.co.za**