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		Supplied by	(G	
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		S-XPL/20.0413 X	,	
And as described	in the Ex	(plolabs file number <b>XPL/21347/20</b> ) 1 for Ex Pating)", having been exa	.0413 Issue 1 is hereby cert	tified "Explosion
relevant requireme	ents of So	uth African Standards.	mined and mapecied in acco	
CANC CO070 0: 0				
IEC 60079-0: 2017	7 Ed 7	Explosive atmospheres Part 0:	Equipment — General require	ements
SANS 60079-11: 2	2012 Ed 4	Fyrlagive stmoonhores Part 11	1. Equipment protection by int	rinaia aafatu "i'
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IEC/SANS 60079-	26: 2014	Explosive atmospheres – Par	t 26: Equipment with equipr	ment protectio
Risk of ignition pro	vided:			
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SANS 60079-0: 20 IEC 60079-0: 2017 SANS 60079-11: 2 IEC 60079-11: 207 IEC/SANS 60079- Risk of ignition pro	019 Ed 6 7 Ed 7 2012 Ed 4 11 Ed 6 26: 2014 vided:	Explosive atmospheres Part 0: Explosive atmospheres Part 11 Explosive atmospheres – Par level (EPL) Ga	Equipment — General require I: Equipment protection by intr t 26: Equipment with equipr	ements rinsic safety ment protec



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<b>a</b> 1.	GENERAL
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, Š	Ex ia IIC T4 Ga/ Gb
<b>3</b>	$-40 \degree C \le Ta \le +70 \degree C$
101	
<b>@</b>	The VEABAR 28 (*)/ 29 (*)/ 38 (*)/ 39 (*) pressure transmitters with ceramic or metallic measuring a sensor cell. Measured products are gases, vapours and liquids. The equipment must be connected
OLAR	to an external intrinsic safety barrier with consider to the electrical ratings. The output is performing
<u>.</u>	as a 0/4-20 mA two-wire current output. The enclosures are manufactured of stainless steel type 316L/AISI316 Sensors can be mounted on reservoirs, pipelines and other units, at any position
8	indoors and outdoors in wide range of environmental conditions. The sensors have no moving parts.
10L	The procesure transmitter can be mounted an reconvoire, pipelines and other unit, at any position
<b>#</b>	indoors and outdoors in wide range of environmental conditions. The sensors have no moving parts.
	I ype designation and parameters relating to the safety Safety relevant model coding of VEGABAR series:
8	The placeholder within brackets VEGABAR 28 (*)/ 29 (*)/ 38 (*)/ 39 (*) is reserved and considered as
TOUN	not safety relevant.
<b>F</b>	VEGABAR a b (*)
SIN	2 Housing with M12- or ISO4400-Connector or Cable outlet wire.
	8 Pressure transmitter with ceramic measuring cell
8	9 Pressure transmitter with metallic measuring cell
	Amhient temperature range
3	-40 °C to +70 °C T4
	VECADAD 29 (*)/ 20 (*)/ 29 (*)/ 20 (*) are pressure transmitters avaluated under the entity concept
<b>9</b>	Electrical ratings
NO	VEGABAR 28 (*)/ 29 (*)/ 38 (*)/ 39 (*) Transmitter M12 (Pin 1, 3)- or ISO4400 (Pin 1, 2)- Plug or cable outlet wire:
<b>A</b>	4-20 mA two-wire superposed current output.
	Ui : 30 V li : 131 mA
0L	Pi : 0.983 W
49° 201	Li :5µH Ci ·0
NO	
5	Ci and Li do not include the capacitance/ inductance of cables to and from VEGABAR 28 (*)/ 29 (*)/
	Maximum cable length must be considered based on cable parameters:
2	Li' = $0.55 \mu\text{H/m}$ ,
9 8	$CI_{wire/wire} = 58 \text{ pr/m},$ $Ci_{wires/shield} = 270 \text{ pF/m}$
NO	· · · · · · · · · · · · · · · · · · ·
<b>A</b>	The optical radiation output of the product with respect to explosion protection, according to Annex II clause 1.3.1 of Directive 2014/34/EU is based on Exception 1) to the scope of IEC 60079-28: 2015.
	· · · · · · · · · · · · · · · · · · ·
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9 9	
NIO	s
VIII	
LOI	
<b>e</b>	DOCUMENT No: XPL0213 RELEASE DATE: 29/05/2018 REV : 7 This certificate supersedes all previous documents bearing the reference no XPL/21347/20.0413
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8	AN	NEX TO CERTIFICAT	E NO S-XPL/20.0	)413 X	PAGE 4 OF	-4 💈
<b>6</b> .	MARKING					
81	The following (or s	imilar) information have	to be clearly and p	ermanently marke	ed on all units:	
	Supplier	: VEGA Grieshaber KG	j			2
	Manufacturer	: VEGA Grieshaber KG	j			
	Equipment	: Pressure Transmitter				100
	Model/Type	: VEGABAR 28 (*), VE	GABAR 29 (*), VEG	3ABAR 38 (*), VE	GABAR 39 (*)	1
	Serial No.	:				Į.
) )	Ex Rating	: Ex la IIC 14 Ga				
		Ex la IIC 14 Ga/ Gb				
						10
	IA Cartificante Nie	-40 CS 1a S +70 C				Ę
	IA Certificate No	. 5-APL/20.0413 A				
	Beenensible Tee	ting Officer				
	Responsible res	ung Officer:				
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## 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 set 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 manuacuumer autension in its owni responsionity that the equipment has been constructed in accordance with the applicable requirements of the set 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 set on file at Exploidabs (Pty) Ltd

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