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7 Spanner Rd / PO Box 467 Olifantsfontein				
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		(Ptv) Ltd	Tel: +2 Fax: +2	27 (11) 316 4601
	Reg No: 1999/0277	71/07	E-mail: admin-mgr@	explolabs.co.za
7	100110. 1000/02/71	OVERNMENT ARROVED TEST		
			LADURA I UR I XPLOSION PROTECTED APPAR	RATUS"
R		IA CERTIFICATE	Date Issued:	24 May 2023
			*Expiry date:	24 May 2026
				Page 1 of 6
· RI				Issue: 4
Ex – T	ype Examinatio	n Certificate		
Certifica	ate Number:	S-XPL/13.0475 X		
Equipm	ent:	Vibrating Level Switch		
Model /	Туре:	VEGAVIB VB6(*).******		
Applica	nt:	VEGA Griesnaber KG	h	
BI		Am nonenstein 113, ///61 SChilt Gormany	acii	
Manufa	cturer:			
Sorial N		All serial numbers imported betwee	on issued, and expire dat	a and all serial
	10.	numbers covered by a valid report of	or acceptable product certif	ication mark.
		, , ,		
\$		Supplied by		
8		VEGA Grieshaber KG		
		Identified by Inspection Authority	/ number	
\$		5-XPL/13.0475 X		
And as o	described in the E	xplolabs file number XPL/14126/13.04	175 Issue 4 is hereby cer	tified "Explosion
Protecter	d (Refer to clause	1, for Ex Rating)", having been exami	ned and inspected in acco	ordance with the
relevant	requirements of S	outh African Standards.		
		c		
JEC 600	0079-0:2019 Ed	Explosive atmospheres Part 0: E	quipment — General requi	rements
	0070 34. 2014 E	2 Explosive atmospheres Part 31	· Equipment dust ignition	protection by
IEC 600	0079-31: 2014 E0 079-31: 2013 Ed 2	enclosure "t"	. Equipment dust ignition	i protection by
120 000				
Risk of ic	nition provided:			
		1		
Durate at	Equipment Protection	Deufermenne of		T class or Max
afforde	d Level (EPL)	protection	Conditions of operation	Surface
	Group			Temp (°C)
		Two independent means of protection or	Equipment remains	
Very hic	h Da	safe even when two faults occur	functioning in zones 20,	
	Group III	independently of each other	21 and 22	
		Suitable for normal operation and		See manual
ا میں ا	Db	frequently occurring disturbances or	Equipment remains	
High	Group III	equipment where faults are normally	and 22	
		taken into account		
5				
		DOCUMENT No. YOU	0213 RELEASE DATE: 20/05/20/	18 REV.7
	Th	is certificate supersedes all previous documents	bearing the reference no XPL/141	126/13.0475 Issue 3.
ABRICUMS				
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1 IN		CERTIFICATE NO S-XPL/13.0475 X	PAGE 2 OF 6	NING IS
- SHOULE STIOLE	The marking of the Vibrating Le Ex ta IIIC T* Da or Ex ta/tb IIIC T* Da/Db or Ex tb IIIC T* Db IP66 *see manual	vel Switch shall include the following:		NIVIOIALE SEVIMENT
auns Apriciuus Apric	*see manual Subject and type: Vibrating level switch type VEGAVIB VB6*(^).	 Further criteria, without relevance for explosion protection Cable entry M = M20x1.5 N = 1/2NPT	1 lections 5(316L) .150°C .250°C 19; on/ Ex ia IIC T61 1 dust 1 dust 1 dust	ICHARE ABOMCHARE A
1	1	— 1, 3, 5, 7		NUNC N
WIR (BUTON	' The assessment for use in explo	sive gas atmospheres is not part of this certificate.	and the second se	AN INVITAGE
				Sev Iolice
SPIOLAR -	This certificat	DOCUMENT No: XPL0213 RELEASE DATE: 29/05 e supersedes all previous documents bearing the reference no XPL/	v2018 REV : 7 /14126/13.0475 Issue 3.	ANNU NEWS
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	ANNEX TO CERTIFICATE	NO S-XPL/13.0475 X		PAGE 4 C)F 6 💈
el .	Description of Product				
	regulating in silos with dust generating material.				
	The probe of the Vibrating Level Switch vibrates at its mechanical resonant frequency. In case the probe is covered with material, the vibration is damoed and a signal is generated.				
	Electrical data				
and the second second	Type VEGAVIB VB6*.GX/LK**C**				
	with electronics insert VB60C built in			0 2521/	
9	output		contactle	ss switch	8
	current		<	5m A	
	load current		min.	10m A	
y	Maximum abort circuit current l		max.	400 mA	
				100 A	PIO
	Type VEGAVIB VB6*.GX/LK**R**				100
2	with electronics insert VB60R built in		A C 00 0	E2 \/ (2 A \	1
	or		AC 202 DC 207	53 V (3A) 2 V	MO
\$	power consumption		18 VA, I	max.1,6 W	8
1	relay circuit				Old
2	max. values:		250 V, 37	4, 500 VA 4 41 W	5
Ş	Maximum short circuit current Icn		200 0, 17	35 A	1
					NO.
	Type VEGAVIB VB6*.GX/LK**1** with electronics insert VB6OT built in				8
9	supply voltage		DC 105	5 V	
	power consumption		max. 0,5	W	
	load current Maximum short circuit current l		max. 400	mA A	
			1001	~	200
	Type VEGAVIB VB6*.GX/CK**Z**				ADS.
\$	with intrinsically safe electronics insert VB60Z to Supply and signal circuit	ouilt in in type of protection Int	incic Safet	ty Ex ia IIC	1
81		only for connection to a	certified in	ntrinsically safe	MON
		circuit with the following	, maximum	n values:	8
3		Lli = 30 V			01ep
and a second sec		li = 131 mA			
		Pi = 983 mW			
9 1		effective internal canac	itance nea	ligible	PIOU
		effective internal induct	ance negli	qible	
			0	0	9
RI	Type VEGAVIB VB6*.GX/CK**N**	built in			MO
	Supply and signal circuit	in type of protection Int	rinsic Safet	tv Ex ia IIC/IIB	<u>م</u>
	115 5	or Ex ib IIC/IIB			10
31		only for connection to a	certified in	ntrinsically safe	Lange Contraction
			j maximun	i values.	1
)		Ui = 20 V			NO1
and herein		Li = 103 mA			188
Topland Ten					OIL
,		effective internal capac	itance neg	ligible	
steers but		effective internal induct	ance Li < 5	ōμH	1
(commonly in the second					é

DOCUMENT No: XPL0213 | RELEASE DATE: 29/05/2018 | REV: 7 | This certificate supersedes all previous documents bearing the reference no XPL/14126/13.0475 Issue 3. Cortours Cortours

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	ANNEX TO CERTIFICATE NO S-XPL/13.04	75 X PAGE 5 OF 6	MON		
	I hermal data The max. surface temperature is the higher one of the values liste	d below.	NASS S		
NUMBER SIMPORT	Permitted process temperature at the probe Type VEGAVIB VB61/3/5/7(*).GXA/C**** Type VEGAVIB VB61/3/5/7(*).GXB**** Type VEGAVIB VB61/3/5/7(*).GXE/G**** Type VEGAVIB VB61/3/5/7(*).GXF****	-40 °C+150 °C -40 °C+250 °C -40 °C+150 °C -40 °C+250 °C	STATOLAR STATO		
	Type VEGAVIB VB62/6(*).GXT**** Type VEGAVIB VB62/6(*).GXC/K/M**** Type VEGAVIB VB62/6(*).GXL****	-40 °C+80 °C -20 °C+80 °C -40 °C+150 °C	SET SETTORIES		
TOL IS	Max. surface temperature T at the probe	process temperature + 6K	STYTON		
SMOUL	Permitted ambient temperature at the electronics enclosure Zone 20 or Zone 21 dust	-40 °C+60 °C	STOLES		
	Maximum surface temperature at the electronics enclosure Zone 2	20 dust			
	With thermos fuse limited to	98°C	IOTUR		
	Type VEGAVIB VB6*(*).GX**N*** Type VEGAVIB VB6*(*).GX**Z***	ambient temperature +23K ambient temperature +43K	STUDIES		
	Maximum surface temperature at the electronics enclosure Zone 2 Type VEGAVIB VB6*(*).GX**C/R/T**	21 dust	OLAR		
LOU	With thermos fuse limited to	98°C			
	Type VEGAVIB VB6*(*).GX**N*** Type VEGAVIB VB6*(*).GX**Z***	ambient temperature +23K ambient temperature +36K	STUDIES		
3	Degree of protection according to IEC/SANS 60529	IP66	Nuts		
STATE OF A	Based on the following documentation: BVS 04 ATEX E 079 Suppl	ement 4	OLADS		
2 .	INSTALLATION INSTRUCTIONS It is the manufacturer's responsibility to supply installation instruct required by IEC/SANS 60079-0 Clause 30.	ions with each unit offered for sale as	STUDIES		
3.	3. SPECIAL CONDITIONS OF USE (X) The prospective short-circuit current l _{cn} must not exceed the specified value. In case of extremely ignitable dusts (MIE < 3 mJ) the equipment must not be used in areas where intensive charging processes are to be expected.				
4.	CONDITIONS OF CERTIFICATION All production units must be covered by a QAN (Quality Assurance or batch evaluation.	e Notification), Product Mark Scheme	SUVOLEE SUV		
			STUDIES		
			STUDIES		
MOUL			SEVIOLES		
STUDING	DOCUMENT No: XPL0213	RELEASE DATE: 29/05/2018 REV : 7	EXPLORE		
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FIOL	ANNEX TO CERTIFICATE NO S-XPL/13.0475 X	PAGE 6 OF 6 💈
9 5.	MARKING	all unite:
8	Supplier : Vega Instruments (Ptv) Ltd	
Ē.	Manufacturer : VEGA Grieshaber KG	
8	Equipment : Vibrating Level Switch	4
N	Model/Type : VEGAVIB VB6(^).^^^^	
8	Ex Rating : Ex ta IIIC T* Da or	
3	Ex ta/tb IIIC T* Da/Db or	
<u>S</u>	Ex tb IIIC T* Db	
ð	IP66 *cee manual	
	IA Certificate No : S-XPL/13.0475 X	9
N		
This that	is certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Hea t the apparatus is used as relevant in accordance with:	Ith and Safety Act, provided
i)	SANS 10086 and IEC/SANS 61241-14 requirements as applicable; Any conditions mentioned in the above report:	
2 iii)	Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupa	tional Health and Safety Act;
(v)	Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief In	spector: Occupational Health 🥳
v)	A revision certificate replaces all previous version of the certificate.	
vi) vii)	* - Only covers equipment Imported between the "Issued" and "Expire" dates. If and when your QAN (Quality Assurance Notification) Certificate for your equipment manufacturer expires during t	he valid period of the IA
97 ·	Certification (issued for your equipment) and a new certificate is not submitted the existing IA Certification will then client's responsibility to always submit the updated and valid QAN certificate(s) to Explolabs (Pty) Ltd	be cancelled. It is thus the
1		
5	Responsible Testing Officer:	
8	-	
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ð	Singe	
	D Maree	
2	Technical Specialist	ion d
e	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 con disclaimer is immutable and automatically incorporated in any contract undertaken by us; notwithstanding anything	ract undertaken by us. This to the contrary, save for the
Ĕ.	express written waiver of our managing director. By marking the equipment in accordance with the documentation/stand on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the	ard, the manufacturer attests relevant standards and that
91 91	the routine verifications and tests have been successfully completed and that the product complete with the document contents of electronic reports/certificates cannot be guaranteed. Original certification documents will be kept on file at Ex	tation and standard(s). The plotabs (Ptv) I td
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