IEC	<b>IEĈEx</b>	IECEx Ce of Confe	
	<b>IEC Certification</b>	AL ELECTROTECHNIC on Scheme for Explosi and details of the IECEx Scheme visit w	ive Atmospheres
Certificate No.:	IECEx SIR 11.0159	issue No.:1	Certificate history: Issue No. 1 (2015-3-26)
Status:	Current		Issue No. 0 (2012-4-23)
Date of Issu	e: 2015-03-26	Page 1 of 5	
Applicant:	Deeter Electronics Lim Deeter House, Valley Roa Hughenden Valley, High V Bucks, HP14 4LW United Kingdom	d	
Electrical Apparatus: Optional accessory:	Liquid Vertical Continuo	us Sensor, Flameproof (LVCS FP) a	nd Float Switch, Flameproof (F/S FP)
Type of Protection:	Flameproof and Dust Pro	vtection	
Marking:	· ·	Ta ≤ +85°C ≤85°C T5/T100°C ≤125°C T4/T135°C ≤180°C T3/T200°C (LVCS) ≤190°C T3/T200°C (F/S)	temperature
		ting across a boundary of two hazardous area zones) iounting across a boundary of two hazardous area zones)	
Approved for	r issue on behalf of the IECE	XA G Boyes	
Certification	Body:		
Position:		Certification Support Officer	
Signature: for printed v	ersion)	the	
Date:		2015-03-26	
2. This certifi	cate and schedule may only cate is not transferable and s and authenticity of this cer	be reproduced in full. remains the property of the issuing bo tificate may be verified by visiting the C	dy. Official IECEx Website.
Certificate is	sued by: SIRA Certification Servio Rake Lane Eccleston Chester CH4 9JN United Kingdom		CSA Group

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lanufacturer:	Deeter Electronics Limited Deeter House, Valley Road Hughenden Valley, High Wycor Bucks, HP14 4LW United Kingdom	
Additional Manufacturing I s):	ocation	
ound to comply with the II overed by this certificate,	EC Standard list below and that the manu was assessed and found to comply with	tive of production, was assessed and tested and facturer's quality system, relating to the Ex products the IECEx Quality system requirements. This cheme Rules, IECEx 02 and Operational Document
	nd any acceptable variations to it specifie comply with the following standards:	d in the schedule of this certificate and the identified
EC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: Gene	ral requirements
EC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equip	oment protection by flameproof enclosures "d"
EC 60079-26 : 2006	Explosive atmospheres - Part 26: Equ	ipment with equipment protection level (EPL) Ga
EC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equ	ipment dust ignition protection by enclosure 't'
This Certificate <b>does n</b> o	ot indicate compliance with electrical safe expressly included in the Standa	ty and performance requirements other than those ards listed above.
EST & ASSESSMENT R		nation and test requirements as recorded in
<u>est Report:</u> B/SIR/ExTR12.0021/00	GB/SIF	R/ExTR15.0099/00
	<u>rt:</u>	
uality Assessment Repo		

	IECEX Certificate of Conformity	
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		-
EQUIPMENT:	Schedul	e
	overed by this certificate are as follows:	
continuous analogue o having a 50vDc/230VA stainless steel level gui stainless steel tube wh mounting of optional P( lengths and are mounted	r switching output. The equipment is rat C 1amp option and comprises of a flam de which is threaded into the housing. ich contains the sensing electronics. Th CBs, depending on the communication ad with up to seven stainless steel floats	(Float Switch) are liquid level sensors with either a red for up to 28 Volt use and the F/S FP reed switch reproof, component certified instrument housing with The level guide consists of either an 8mm or 12mm e instrument housing is used for termination and and I/O's required. The level guides can be of various s, each containing a magnetic ring. The equipment g across a boundary of two hazardous area zones.
When connected to pro to keep it below 80°C, a	cess temperatures above 85°C, the ter as detailed in the manufacturer's instruc	nperature of sensor head must be sufficiently cooled ctions.
See EQUIPMENT (con	tinued) for further description and Conc	litions of Manufacture.
CONDITIONS OF CERTIF	TICATION: NO	



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## EQUIPMENT(continued):

Model	Level guide length (mm)	Sensing device	Input/output options	Maximum Process Temperatures (°C)	Cable entry sizes
LVCS	100 to 4000	Reed switch or Hall effect	Optional PCB's for various input/outputs	180 (T3) 125 (T4) 85 (T5)	M20x 1.5 or 1/2" NPT
F/S	60 to 4000	Reed switch or Hall effect	Between 1 to 7 I/O float switches, direct output	190 (T3) 125 (T4) 85 (T5)	M20x 1.5 or 1/2" NPT

## **Conditions of Manufacture**

The Manufacturer shall comply with the following condition of manufacture:

- 1. Routine tests on production in accordance with clause 16 of IEC60079-1 to a pressure of at least 5720kPa (57.2 Bar).
- 2. The products covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform Sira of any modifications of the devices that may impinge upon the explosion safety design of their products.
- 3. The manufacturer shall inform the user/installer that, when connected to process temperatures above 85°C, the temperature of sensor head must be sufficiently cooled to keep it below 80°C; this information shall be included in the instructions for these products and shall remain constant in subsequent versions of this document.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

	The Application of the second from Dector France in Consistent inside the Dector Flort
	his Issue introduced the following change: The Applicant's name was changed from Deeter Engineering Services Limited to Deeter Electronics Limited
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