[1]	EU-TYPE EXAMINATION CERTIFICATE								
		$\langle \mathbf{E} \mathbf{x} \rangle$							
101	L)(UL)(UL)(UL)(UL)(U								
[2]	in Potent	ially Explosive Atmospheres Directive 2014/34/EU							
[3]	EU-Type Examination Certificate Number: DEMK	O 18 ATEX 2080 Rev. 2							
[4]	Product: Pressure Transducers, IS626-** SBLTX-* PBLTX-*	-GH-P*-E*-S1-ATEX-****, *****-*_****-*-ATEX-***, and *****-*_*-**-ATEX-***.							
[5]	Manufacturer: Dwyer Instruments Inc.								
[6]	Address: 102 Indiana Highway 212, Mich	igan City, IN 46360 USA							
[7]	This product and any acceptable variation thereto a	are specified in the schedule to this certificate and the documents therein referred to.							
[8]	UL International Demko A/S, notified body number 2014, certifies that this product has been found to o construction of products intended for use in potentia The examination and test results are recorded in co	0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February comply with the Essential Health and Safety Requirements relating to design and ally explosive atmospheres given in Annex II to the Directive. onfidential report no. 4789343558.1.1							
[9]	Compliance with the Essential Health and Safety R	equirements has been assured by compliance with:							
	EN 60079-0:2012+A11:20	D13 EN 60079-11:2012							
[10]	If the sign "X" is placed after the certificate number, schedule to this certificate.	it indicates that the product is subject to special conditions for safe use specified in the							
[11]	This EU-Type Examination Certificate relates only to Directive apply to the manufacturing process and s	o the design and construction of the specified product. Further requirements of the upply of this product. These are not covered by the certificate.							
[12]	The marking of the product shall include the followi	ng:							
	€x) II	1 G Ex ia IIC T4 Ga							
	(Ex) 1	D Ex ia IIIC T135°C Da							
<u>U1</u>		is is to partify that the complete) of the Decident described basis ("Contified Decident") has been investigated							
	Certification Manager Jan-Erik Storgaard	Is is to certify that the sample(s) of the Product described herein (Certified Product) has been investigated d found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product triffication Program Requirements. This certificate and test results obtained apply only to the product mple(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) svided were representative of other manufactured product. UL has not established Follow-Up Service or other rveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all plicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in rt, in any other document without UL's prior written approval.							
	for but Superial D	ate of issue: 2018-09-14							
		Re-issued: 2020-01-21							
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	Notified Body U T	L International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark el. +45 44 85 65 65, <u>info.dk@ul.com</u> , <u>www.ul.com</u>							
00-IC-F	C-F0056-1 – Issue 22.0 Accredited by DANAK unc This certificate may only be reprod	der registration number 7011 to certification of products. Page 1 of 4 uced in its entirety and without any change, schedule included.							

[13]

[14]

[15]

Schedule EU-TYPE EXAMINATION CERTIFICATE No. DEMKO 18 ATEX 2080 Rev. 2

Description of Product

Models IS626, SBLTX and PBLTX transducers all consist of a similar stainless steel tube assembly that houses the main board and sensor board assembly. The tube assembly is completely encapsulated up to a ground clip within the transducers. The Models IS626, SBLTX and PBLTX are intended to be interfaced with a certified intrinsically safe associated apparatus that provides outputs suitable for the intended application. The Models PBLTX and SBLTX are submersible transducers that include a breather tube within the provided wiring that is to be terminated within the hazardous area. What differs between the Model IS626, SBLTX, and PBLTX transducers is the overall external construction and the intended end user application of the transducers. See the nomenclature as follows for the available options.

Nomenclature

Model IS626:

IS62	<u>6</u> -	**	->	<u>GH</u> - <u>F</u>	$\frac{D^*}{W} - \frac{E^*}{W}$	X	<u>S1</u> - <u>ATEX</u>	- ****	
	Sonsing r	I ande for ti		vice			V VI	VII	
	a.	** wher	e ** is	s one of the nume	eric characters o	defined wit	hin the table below th	hat represent the sensing	
		**		Sensing Range	e ** - Con	it.	Sensing Range - (Cont.	
		06	=	0 – 5 PSIG	13	11. Y	0 – 300 PSIG		
		07	=	0 – 15 PSIG	14		0 – 500 PSIG		
		08	=	0 - 30 PSIG	22		0 - 600 PSIG		
		09	=	0 – 50 PSIG	24		0 – 250 PSIG		
		10	=	0 – 100 PSIG	25	=	0 – 400 PSIG		
		11	=	0 – 150 PSIG	27		0 – 25 PSIG		
		12	=	0 - 200 PSIG					
	b. $P2 = 0.25$ in. NPT Female c. $P3 = 0.25$ in. BSPT Male								
IV.	Electrical connection								
	a.	E1 = 3	foot fa	actory wiring with	strain relief				
	D.	$E_2 = 0$	foot f	actory wiring with s	strain relief				
	d.	$E_{0} = 9$	12 Rc	actory winny with a					
V.	Output cor	figuration	of tra	ansducer					
<u> </u>	a.	S1 = 0	utput	configuration of 4-	-20 mA for the t	ransducer.			
VI.	Configurat	ion	1						
	a.	ATEX =	= ATE	X/IECEx Complia	nt Configuration	1 – V			
VII.	Additional	options m	ay in	clude any of the fo	ollowing (Option	al):			
	a.	Blank =	No c	ptions added					
	b.	AT = A	umin	um tag included of	n the wiring hari	ness. To b	e removed prior to ins	stallation of the device.	
	C.	NISI =	NIST	calibration certific	cate provided wi	th the devi	ce.		

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Model SBLTX:

SBLT	ГХ -	*****	- * -	***	- * -	****	- ATEX -	***		
1			Ī	III	IV	V	VI	VII		
.	Sensor	range								
	а.	***** where *	**** is one to	five numeric	characters that	t represent the f	ollowing sensing rai	nge:		
		i. Wł	nen item 'II' =	BLANK, item	'l' = 3 to 400 F	PSI				
		ii. Wł	nen item 'II' =	M, item 'l' = 2	2.2 to 280 M W	C				
II.	Sensing	range unit								
	а.	BLANK = PS								
	b.	M = Metric								
111.	Cable le	ength								
	a. *** where *** is one to three numeric characters that represent the following cable length:									
		I. Wh	hen item $V' =$	BLANK, item	111' = 1 to 4/0	Feet (143 Mete	rs)			
	0.11.1	II. VVr	hen item $V' =$	ETFE, item i	II' = 1 to 275 F	eet (84 Meters)				
IV.										
	a.	BLANK = Fee	et							
	b. M = Meters									
v.	Cable ty	pe - conductor	Jacket materia	di Vethene						
	a.	DLAINK = POI	lyeiner Polyur	emane						
VI	D. Configu		iene retranot	lioetnylene						
v I.	Connigu		X/IECEX Com	nliant Config	uration					
VII.	Addition	al ontions may	include either	warranty ont	ions and/or an	w one of the pro	cass fittings (Option	nal)		
v II.	Addition	BI ANK – Sta	andard Warra	ntv		ly one of the pro	ccos mangs (option	iai)		
	b.	2YR = 2Yea	r Warranty	ity						
	с.	P1 = 0.25 in	NPT Male Pr	ocess Fitting						
	d.	P2 = 0.25 in.	NPT Female	Process Fitti	na					
	e.	P3 = 0.25 in.	BSPT Male F	Process Fitting						
	f.	P4 = 0.25 in.	BSPT Femal	e Process Fit	tina					
		0120 111								

Model PBLTX:

PBL	TX -	*****	*	***	*	- ** -	ATEX	- ***		
			Ē	III	IV	V	VI	VII		
Л.	Senso	r range								
	a	. ***** wh	nere ***** i	s one to f	ive numer	ic characters r	epresenting the	following sensor rai	nge:	
		i.	When it	em 'II' = E	BLANK, ite	em 'l' = 5 to 14	5 PSI			
		ii.	When it	em 'II' = N	/l, item 'l' :	= 3.5 to 100 M	WC			
11.	Senso	r range Unit								
	a	. BLANK	= PSI							
	b	. M = Met	ric							
III.	Cable length									
	a	. *** wher	e *** is or	e to three	numeric	characters tha	t represent the f	ollowing cable lengt	h:	
		i.	When it	em 'V' = F	PU, item 'I	II' = 3 to 470 F	eet (143 Meters	5)		
		ii.	When it	em 'V' = I	ETFE', iter	n 'III' = 3 to 27	'5 Feet (84 Mete	ers)		
IV.	Cable	length unit								
	a	. BLANK	= Feet							
	b	. M = Met	ers							
V.	Cable type - conductor jacket material									
	a	. BLANK	= Ethylen	e Tetraflo	uroethyler	ne (ETFE)				
	b. PU = Polyether Polyurethane (PU)									
VI.	Config	uration								
	a	. ATEX =	ATEX/IE0	CEx Com	oliant Con	figuration				
VII.	Warra	nty options								
	a	. BLANK	= Standar	d Warran	ty					
	b	. 2YR = 2	Year Wa	rranty						

Temperature range

The ambient temperature range is $-20^{\circ}C \le Tamb \le +80^{\circ}C$ or $-20^{\circ}C \le Tamb \le +65^{\circ}C$ for models SBLTX-****-ATEX-*** and PBLTX-**** when nomenclature item 'V' for Cable Type = 'PU' for Polyether Polyurethane

Electrical data

<u>Input:</u> Terminals 1, 4 = 10 - 28 VDC, 4-20 mA

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Input Entity Parameters:

[13]

[14]

[16]

[17]

[18]

Mode	el: IS62	26-**-GH-P*-E*-S1-ATEX-****
Ui	≤	28 VDC
li	≤	93 mA
Pi	≤	651mW
Ci	=	0.0381 μF
Li	-	19.52 μH

		Models SBLTX-*****-*-****-ATEX-***, and	
		PBLTX-****-*-*-*-ATEX-***	
Ui	≤	28 VDC	1/
li	≤	93 mA	
Pi	≤	651mW	
Ci	=	0.037 µF + C _{SBLTXCABLE} or C _{PBLTXCABLE}	
Li		15.92 μH + L _{SBLTXCABLE} or L _{PBLTXCABLE}	

Routine tests

N/A

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

Specific conditions of use: None

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

label.

Dwyer。



The trademarks or

will be used as the company identifier on the marking

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.