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www.tssa.org

June 24, 2015

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L0R 2H8
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 1646230
Your Reference No.: MODEL: CLS50, CLS50D
Registered to: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0F1251.05
Main Design No.: Indumax Inductive Conductivity Sensor, Model CLS50/CLS50D,
Scope of Registration
Expiry Date: 13-Apr-2025

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

Note: When flanges are specified with the 3/4" connection, the flange used is to be complete with a CRN number and the maximum operating conditions are limited, whichever is more restrictive (sensor or flange rating).

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Ruiming You, P.Eng.
Mechanical Engineer, BPV
Tel.: 416-734-3428
Fax: 416-231-6183
Email: ryou@tssa.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

Endress+Hauser
EH

STATUTORY DECLARATION
Registration of Fittings

I, MIKE YOUROSKI, QUALITY MANAGER

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ENDRESS+HAUSER CONDUCTA INC.

(Name of Manufacturer)

Located at 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807

(Plant Address)

1-714-577-5600

(Telephone No.)

(Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME VIII-1 PROOF TEST as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008 which has been verified by the following authority, SQS

The items covered by this declaration, for which I seek registration, are category F Fittings - CLS50/50D type fittings. In support of this application, the following information and/or test data are attached as follows:

PROOF TEST REPORT, DRAWINGS

(drawings, calculations, test reports, etc.)

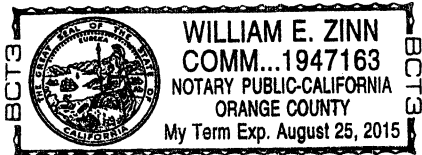
Declared before me at Anaheim in the County of Orange
 the 20 day of March AD 2015.

Commissioner for Oaths:

William E. Zinn

(Printed name)

(Signature)



Mike Youroski

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category F.

CRN: OF 1251.05

Registered by: Reiming You

Dated: June 24, 2015

NOTE: This registration expires on APR 13, 2025

REGISTERED

OF 1251.05

June 24, 2015

PV 09553 (06/04)

NOTE: SEE SCOPE OF REGISTRATION ATTACHED TO THIS FORM (one page).

6/24/2015

SR # 16 46 244

ENDRESS+HAUSER CONDUCTA INC.

4123 LA PALMA AVE.
ANAHEIM, CA.
92807, USA

25-May-15

SCOPE OF CRN REGISTRATION

Model	Sensor Material	CRN Maximum Allowable Working Pressure (psig)	CRN Maximum Allowable Working Temperature (F)	
CLS50/CLS50D	PFA	290	257	
CLS50/CLS50D	PEEK	290	356	
CLS50D		CLS50		
Approval		Approval		
AA Non-hazardous area		A Non-hazardous area	<div style="border: 2px solid black; padding: 5px;"> <p>THIS IS PART OF CRN 0F 1251.05</p> <p>Technical Standards & Safety Authority Boilers & Pressure Vessels Safety Program</p> </div>	
BA Atex II 1G Ex ia IIC T3/T4/T6		G Atex II 1G Ex ia IIC T4/T6 Ga		
BV Atex II 3G Ex nL IIC T4/T6 + NEPSI Ex nL IIC T4/T6		H NEPSI EX ia IIC T4/T6		
C2 CSA IS NI Cl. I, II, III, Div. 1&2, Group A-G		L Non-hazardous area, PWIS free		
FB FM IS NI Cl. I, II, III, Div. 1&2, Group A-G		O FM IS NI Cl. I, II, III, Div. 1&2, Group A-G		
NA NEPSI Ex ia IIC T4/T6		S CSA IS NI Cl. I, II, III, Div. 1&2, Group A-G		
		T TIIS		
		V ATEX II 3G Ex nL IIC T4/T6 + NEPSI Ex nL IIC T4/T6		
Process Connection		Process Connection		
A Lap joint flange DN 50 PN 10, PP-GF		A Lap joint flange DN 50 PN 10, PVDF		
B Lap joint flange ANSI 2" 150 Lbs, PP-GF		B Lap joint flange ANSI 2" 150 Lbs, PVDF		
C Lap joint flange JIS 10 K 50 A, PP-GF		C Lap joint flange JIS 10 K 50 A, PVDF		
1 Thread G3/4"		1 Threaded G3/4"		
2 Thread NPT 1", PEEK		2 Thread NPT 1", PEEK		
3 Flange DN 50 PN 16, stainless steel 1.4404(AISI 316L)		3 Flange DN 50 PN 16, stainless steel 1.4404 (AISI 316L)		
4 Flange ANSI 2" 300 Lb., stainless steel 1.4404 (AISI 316L)		4 Flange ANSI 2" 300 lbs, stainless steel 1.4404 (AISI 316L)		
5 Flange DN 50 PN 16, stainless steel 1.4404 (AISI 316L), PTFE sealing disk		5 Flange DN 50 PN 16, stainless steel 1.4404 (AISI 316L), PTFE sealing disc		
6 Flange ANSI 2" 300 Lb., stainless steel 1.4404 (AISI 316L), PTFE sealing disk		6 Flange ANSI 2" 300 lbs, stainless steel 1.4404 (AISI 316L), PTFE sealing disc		
7 Flange JIS 10 K 50 A, stainless steel 1.4404 (AISI 316L), PTFE sealing disk		7 Flange JIS 10 K 50 A, stainless steel 1.4404 (AISI 316L), PTFE sealing disk		
8 Flange DN 50 PN 16, stainless steel 1.4404 (AISI 316L), welded PFA sealing plate sensor		8 Flange DN 50 PN 16, stainless steel 1.4404 (AISI 316L), welded PFA sealing plate sensor		
Material: sensor, seal, adapter		Material: sensor, seal, adapter		
B PEEK, VITON, PEEK		A PFA, CHEMZRAZ, stainless steel 1.4571 (AISI 316 Ti)		
C PEEK, CHEMZRAZ, PEEK		B PEEK, VITON, PEEK		
D PFA, CHEMZRAZ, stainless steel 1.4571 (AISI 316 Ti)		C PEEK, CHEMZRAZ, PEEK		
Cable length		Cable length		
1 3 m (9.84 ft)		1 5 m (16 ft) fixed cable, max. 125 C (257 F)		
2 7 m (23 ft)		2 10 m (32 ft) fixed cable, max. 125 C (257 F)		
3 15 m (49 ft)		3 20 m (65 ft) fixed cable, max. 125 C (257 F)		
7 ... m fixed cable, max 50 m		4 fixed cable of specified length, max. 55 m (180 ft), max. 125 C (257 F)		
8 ... ft fixed cable, max 164 ft		5 5 m (16 ft) fixed cable, max. 180 C (356 F) (PEEK only, version for non-hazardous area only)		
Cable connection		Cable connection		
1 Fixed cable, terminated cable cores		6 10 m (32 ft) fixed cable, max. 180 C (356 F) (PEEK only, version for non-hazardous area only)		
2 Fixed cable, M12 plug				
CLS50D		CLS50D		
			order code	

Notes:

- When process connections A,B,C,3,4,5,6,7 or 8 are specified the flange used is to be complete with a CRN Number and the maximum operating conditions are limited to the above CRN Pressure/Temperature ratings or the flange code of construction ratings, whichever is more restrictive.
- When process connection 2 is specified the maximum operating conditions are limited to the CRN Pressure/Temperature ratings.
- Other process connections not shown above may be supplied in different sizes, dimensions, pressure classes, materials, etc. as long as those process connection fittings are complete with a CRN. When other process connection fittings are supplied the maximum operating conditions are limited to the above CRN Pressure/Temperature ratings or to the connection fitting CRN registered code of construction, whichever is more restrictive.