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June 23, 2016

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

Service Request Type.: BPV-National BC
Service Request No.: 1873802
Your Reference No.: EH-CRN-12
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0F18315.51.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Jacqueline Ervas
Administrative Assistant
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TECHNICAL STANDARDS & SAFETY AUTHORITY
14TH FLOOR CENTRE TOWER-3300 BLOOR STREE
TORONTO ON M8X 2X4

Date: June 2, 2016

Account #: 35231

Journal #: 65626

Our File #: 5593575

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 1873802, for a Fitting is accepted for registration as follows:

Registered To: ENDRESS+HAUSER CONDUCTA CRN: 0F18315.51
INC

MDMT: -20 deg F

MAWT: 266 deg F

MAWP: 174 psig

Drawing #: R-0446

Drawing Revision: 0

Conditions Of Registration:

Registration of a SMARTEC CLD18 Conductivity Measurement Sensor as per scope of reg'n sheet.

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

As required by CSA B51 4.2.1, this registration expires on March 10, 2026. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@safetyauthority.ca
Design Administration

cc:

ENDRESS+HAUSER CONDUCTA INC.

4123 LA PALMA AVE.

ANAHEIM, CA

92807, USA

19-Jan-16

SCOPE OF CRN REGISTRATION**PRODUCT DESCRIPTION**

Description	Design Standard	End Connections	Drawings	EH TI Document
Smartec CLD18	ASME B31.3, ASME VIII 1 UG 101(m)	G 1-1/2, 2" ASME BPE, ISO2852, DIN 32676 Clamp Ferrule (Note 1), DN40-125 Varivent (Note 1)	R-0446, 401609, 401610, 401602	TI01080C/07/EN/02.14

PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 122 F	MAWP AT 230 F	MAWP AT 266 F
14F	174 psig	98 psig at 230 F	72.5 psig at 266 F

NOTES
THIS IS PART OF
CRN 0F18315.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
 NOTES

0F18315.5
 Safety
 AUTHORITY
 June 2, 2016
 BCSA J# 35626

MATERIALS OF CONSTRUCTION

PROCESS ADAPTER MATERIAL (NOTE 2)	SENSOR SHELL MATERIAL	
ASTM A479-316L, STAINLESS STEEL 1.4435 TYPE 316L, UNS S31603	PEEK (POLYETHERETHERKETONE)	Optional process adapter materials may be used. See Note 2.

MANUFACTURING LOCATIONS

Endress+Hauser Conducta 70839 Gerlingen incl. manufacturing sites 04736 Waldheim and 64823 GroB-Umstadt, Germany	Endress+Hauser Conducta 215021 Suzhou, Endress+Hauser Analytical Instruments Suzhou Co. Ltd. P.R. China
Endress+Hauser Conducta 4123 LA Palma Ave., Anaheim, CA 92807, USA	

Note 1) The assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows:
 N06022, B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);