



345 Carlingview Drive
Toronto, Ontario
CANADA M9W 6N9
Tel.: 416.734.3300
Fax.: 416.231.1626
Toll Free: 1.877.682.8772
www.tssa.org

August 16, 2016

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

Service Request Type.: BPV-National BC
Service Request No.: 1900896
Your Reference No.: EH-CRN-17
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0F18550.51.

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,

Joanna Karpinski

Tel. : 416-734-3377
Fax : 416-231-6183
Email : jkarpinski@tssa.org



505 - 6th Street, Suite 200
New Westminster, BC V3L 0E1

Toll Free: 1-866-566-SAFE
Fax: (778) 396 - 2064
www.safetyauthority.ca

TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON M9W 6N9

Date: July 27, 2016
Account #: 35231
Journal #: 66044
Our File #: 5601212

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 1900896, for a Fitting is accepted for registration as follows:

Registered To: ENDRESS + HAUSER CONDUCTA CRN: 0F18550.51
INC

MDMT: 23 deg F

MAWT: 284 deg F

MAWP: 247 psig

Drawing #: Design Report EH-CRN-17

Drawing Revision: 0

Conditions Of Registration:

Registration of Memosens CLS82D Hygienic Conductivity Sensors as per scope of registration 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:

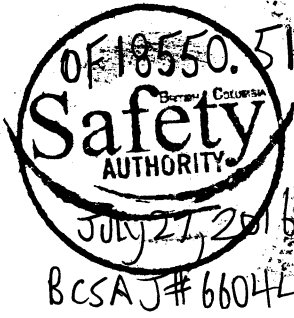
As required by CSA B51 4.2.1, this registration expires on June 23, 2026. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program 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

THIS IS PART OF
 CRN OF 18550.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
 2.6. 6/23/16

27-May-16

SCOPE OF CRN REGISTRATION

PRODUCT DESCRIPTION

Description	Design Standard	End Connections	Drawings	EH TI Document
Memosens CLS82D	ASME B31.3, ASME BPE, ASME VIII-1 UG-101(m)	1" NPT, G1", PG13.5, 1-1/2" and 2" ASME BPE, ISO2852, DIN 32676 Clamp Ferrule (Note 1)	403711-2415, 403712, 403150, 403159, 403168, 403170	TI01188C/07/EN/03.16

PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 68 F	MAWP AT 248 F	MAWP AT 284 F	NOTES
23F	247 psig	131 psig at 248 F	87 psig at 284 F	None

MATERIALS OF CONSTRUCTION

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

MANUFACTURING LOCATIONS

Endress+Hauser Conducta 70839 Gerlingen incl. manufacturing sites 04736 Waldheim and 64823 Gross-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, (316LN, 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); B381-F3, (Titanium Grade 3, UNS R50550) Note: Titanium limited to 247°F max