



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, 2018

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CA

Service Request Type.: BPV-National AB
Service Request No.: 2336942
Your Reference No.: R-0761
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from AB, registered under the CRN No.: 0F02097.72.

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,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org



the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

August 07, 2018

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

Email: tfrancis@tssa.org

The design submission, tracking number 2018-04258, originally received on June 29, 2018 was surveyed and accepted for registration as follows:

CRN : 0F02097.72

Accepted on: August 07, 2018

Reg Type: ADDITION TO ACC. FITTING

Expiry Date: January 12, 2028

Drawing No. : SEE SCOPE, CRN RENEWAL As Noted

Fitting type: SENSORS

Design registered in the name of : ENDRESS + HAUSER CONDUCTA INC

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.3 and ASME B31.1.

- *This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- *This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*
- *Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

From the range of alternative materials under Note (2) in the scope CRN covers only materials that comply with code mandatory requirement UG-101 (d)(1)(-b)(-2)(+a)(+b)(+c).

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

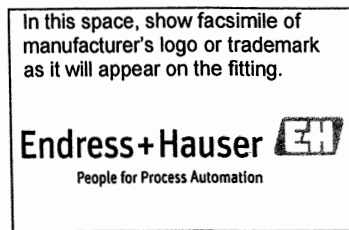
If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3330 or fax (780) 437-7787 or e-mail grynchuk@absa.ca.

Sincerely,

GRYNCHUK, MILLA, P. Eng.
DOP Cert. No. D00005217

STATUTORY DECLARATION Registration of Fittings

I, MIKE YOUROSKI, QUALITY MANAGER (name of applicant) (position title) of ENDRESS+HAUSER (name of manufacturer) located at SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX (plant address)



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

[X] comply with the requirements of ASME B31.3, ASME B31.1 which specifies the dimensions, (title of recognized North American Standard)

materials of construction, pressure/temperature ratings and identification marking of the fittings, or [] are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with as supported by the attached (title of code of construction or other applicable document) data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, SQS (ISO 9001) as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

CATEGORY F

(brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN

DECLARED before me at in the of this day of (city) (Month) (Year) (province or state)

(print) (a Commissioner of Oaths or Notary Public)

(sign) See attached acknowledgment (a Commissioner of Oaths or Notary Public)

Michael Youroski (signature of applicant)

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category F

Registration Number: OF02097.72

(Signature of the Administrator/SCO)

Date Registered: AUG 07 2018

Expiry Date: 2018 Jan. 12

WORLDWIDE LOCATIONS APPENDIX

**ENDRESS+HAUSER CONDUCTA MANUFACTURING LOCATIONS
& CERTIFYING AUTHORITIES**

(rev. October 10, 2017)

Endress+Hauser Conducta

70839 Gerlingen incl. manufacturing sites
04736 Waldheim and 64823 Gross-Umstadt, Germany
ISO 9001 Certified by SQS

Endress+Hauser Conducta

4123 LA Palma Ave.,
Anaheim, CA
92807, USA
ISO 9001 Certified by SQS

Endress+Hauser Analytical Instruments (Suzhou) Co., Ltd.

491 Su-Hong-Zhong-Lu
China-Singapore Industrial Park
Suzhou, Jiangsu Province, China
ISO 9001 Certified by SQS

0102097.72

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Orange }

On October 31, 2017 before me, Laurel Boles,
(Here insert name and title of the officer)

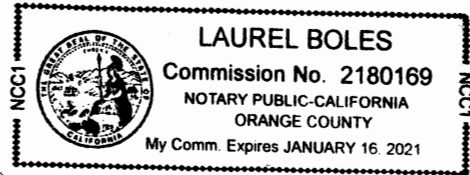
personally appeared Michael Youroski,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s) are subscribed to the within instrument and acknowledged to me that he she/they executed the same in (his) her/their authorized capacity(ies), and that by (his) her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Laurel Boles
Notary Public Signature

(Notary Public Seal)



0902097-72

ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

Alberta Statutory Declaration CAT F
(Title or description of attached document)

Registration of Fittings
(Title or description of attached document continued)

Number of Pages 2 Document Date 10/31/2017

CAPACITY CLAIMED BY THE SIGNER

- Individual (s)
 Corporate Officer

(Title)
 Partner(s)
 Attorney-in-Fact
 Trustee(s)
 Other _____

INSTRUCTIONS FOR COMPLETING THIS FORM

This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/they-, is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

ENDRESS+HAUSER CONDUCTA INC.

4123 LA PALMA AVE.
ANAHEIM, CA
92807, USA

08-Dec-17

SCOPE OF CRN REGISTRATION

PRODUCT DESCRIPTION

Description	Design Standard (Note 3)	End Connections (Note 1)	EH Documents
Indumax CLS54, CLS54D, Smartec CLD134	ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101	2" ASME BPE ISO2852, DIN 2276 Ferrule, DN40-125 Varivent N, DN50 Da... DIN 11851	TI00400C07/EN/13.16, BA00508C/07/EN/03.17, TI00401C/07/EN/13.15.

PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 302F	REGISTRATION NO.	Notes
14F	87.2 psia (72.5 psig)	None	

MATERIALS OF CONSTRUCTION

Process Housing Material (Note 2)	TYPE OF FITTINGS	Notes
Stainless Steel 1.4435 TYPE 316L UNS S31603	None	Optional process housing 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	* See acceptance letter for conditions

Note 1) The ASME BPE Ferrule and Varivent connection shall be used with a clamp, however the assembly clamp is not part of this CRN. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. The clamp used to complete the joint shall have its own CRN and shall have pressure-temperature ratings the same or higher than the product ratings.

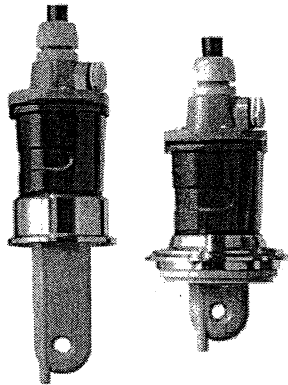
* **Note 2)** The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration: Type 304 S.Steel UNS S30400, Type 304L S.Steel UNS S30403, Type 316 S.Steel UNS S31600, Type 316L S.Steel UNS S31603, Alloy 20 UNS N08020, Hastelloy C-276 UNS N10276, Hastelloy C22 UNS N06022, Hastelloy B3 UNS N10676, Monel 400 UNS N04400 (Note Monel 400 limited to 100F max.), Inconel 600 UNS N06600, Inconel 625 UNS N06625, Inconel 825 UNS N08825, Duplex S.Steel UNS S31803, Super Duplex UNS S32750, Super Duplex UNS S32760, Titanium Grade 3 UNS R50550 (Note Titanium limited to 247F max. for ASME B31.3 service and 173F max. for ASME B31.1 Service.)

Note 3) In accordance with ASME B31.1 para. 123.1.2(D) when this product is manufactured from a ASME B31.1 unlisted material and used under the ASME B31.1 code the facility owner must accept the use of the unlisted material.

ASQA
SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS
0F02097.72
REGISTRATION NO. *Indumax CLS54; Smartec CLD134*
DWG. NO. or CAT. NO.
TYPE OF FITTINGS *Sensors*
AUG 07 2018 Date
INITIALS *[Signature]*
MILLA GRYNCHUK, P.Eng.
DESIGN SURVEY ENGINEER

Technical Information Indumax CLS54

Hygienic inductive conductivity sensor for applications in the food, beverage, pharmaceutical and biotech industries



Application

The CLS54 conductivity sensor is specifically designed for use in hygienic applications in the food, beverage and pharmaceutical industries and in biotechnology. Thanks to its hygiene certificates and its food-safe, virgin PEEK design without any joints or crevices, it meets the strict demands of these industries. The CLS54 is ideal for:

- Phase separation of product/water and product/product mixtures in pipe systems
- Control of cleaning in place (CIP) processes in the return line
- Concentration control in the remaking of CIP cleaning agents
- Product monitoring in pipes, bottling plants and quality assurance
- Leakage monitoring

in the following industries:

- Dairies
- Breweries
- Beverages (water, juices, soft drinks)
- Pharmaceuticals and biotechnology

Use with the Liquiline CM42 and Liquisys CLM223/253 transmitters; integral part of the Smartec CLD134 measuring system.

Your benefits

- Unique hygienic design, therefore no risk of recontamination
- Has all the hygiene certificates required in the hygiene sector
- Has all the process connections commonly used in the hygiene sector
- Durable thanks to fully encapsulated, sealless design
- Fast measurement with temperature response time t_{90} under 26 s, ensuring safe and efficient phase separation
- Insensitive to electrode contamination and polarization thanks to inductive measuring principle
- Explosion protection