



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: 416 734 3300
Fax: 416 231 1626
Toll Free: 1 877 682 8772

www.tssa.org

October 03, 2017

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

Service Request Type: BPV-Fitting Registration
Service Request No.: 2162166
Your Reference No.: EH-CRN-25
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.: 0F19699.5
Main Design No.: MEMOSENS COS81D Oxygen Sensor (see the attachment to the Statutory Declaration Form for full scope of registration)
Expiry Date: 03-Oct-2027

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

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,

Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@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



People for Process Automation

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 1-714-577-5600
(Plant Address) (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 ASME B31.3, ASME B31.1
(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 _____ 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 type fittings. In support of this application, the following information and/or test data are attached as follows:
DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN
(drawings, calculations, test reports, etc.)

Declared before me at _____ in the _____ of _____
 the _____ day of _____ AD 20_____.

Commissioner for Oaths:

(Printed name)
See attached acknowledgment
(Signature)

Michael 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: OF19699.5
 Registered by: Mark Valcic, P.ENG.
 Dated: Oct. 3, 2017

NOTE: This registration expires on Oct. 3, 2027

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: OF19699.5
 Signed: lvalc
 Date: Oct. 3, 2017

NOTE: MEMOSENS COSBID OXYGEN SENSOR lvalc Oct. 3/17

ENDRESS+HAUSER CONDUCTA INC.

4123 LA PALMA AVE.
ANAHEIM, CA
92807, USA

07-Sep-17

SCOPE OF CRN REGISTRATION**PRODUCT DESCRIPTION**

Description	Design Standard	End Connections	EH TI Document
Memosens COS81D Oxygen Sensor	ASME B31.3, ASME B31.1	PG13.5	TI01201C/07/EN/01.15

PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 230 F	MAWP AT 284 F	NOTES
14F	188 psia	87 psia	None

THIS IS PART OF
CRN 0719699.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
Wick 09/3/17

MATERIALS OF CONSTRUCTION

STANDARD MATERIALS (NOTE 1)	NOTES
POLYPHENYLENE SULFIDE PLASTIC, STAINLESS STEEL 1.4435 TYPE 316L UNS S31603	None

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 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.)



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

December 05, 2017

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

Service Request Type.: BPV-National AB
Service Request No.: 2180096
Your Reference No.: EH-CRN-25
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from AB, registered under the CRN No.: 0F19699.52.

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

November 16, 2017

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

Email: tfrancis@tssa.org

The design submission, tracking number 2017-06818, originally received on October 27, 2017 was surveyed and accepted for registration as follows:

CRN : 0F19699.52 **Accepted on:** November 16, 2017
Reg Type: NEW DESIGN **Expiry Date:** October 03, 2027
Drawing No. : MEMOSENS COS81D OXYGEN SENSOR As Noted
Fitting type: SENSOR
Design registered in the name of : ENDRESS + HAUSER CONDUCTA INC

Description	MAWP	Design Temperature
See scope for rating		

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 B31.1 and ASME B31.3.

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.

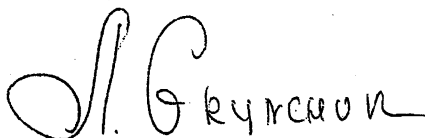
Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

For the boiler external piping only listed in B31.1 materials can be used.

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

Enclosed are stamped prints for your reference.

Sincerely,



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

STATUTORY DECLARATION Registration of Fittings

I, MIKE YOURSKI, QUALITY MANAGER of ENDRESS+HAUSER CONDUCTA INC. located at 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807



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

- comply with the requirements of ASME B31.3, ASME B31.1 which specifies the dimensions, 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 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 9001:2008) 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 (Month), (Year) (city) (province or state)

(print) (a Commissioner of Oaths or Notary Public) (sign) See attached acknowledgment Michael Yourski (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: OF 19699.52 (Signature of the Administrator/SCO)

Date Registered: NOV 16 2017 Expiry Date: 2017 Oct. 03

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 September 8, 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.

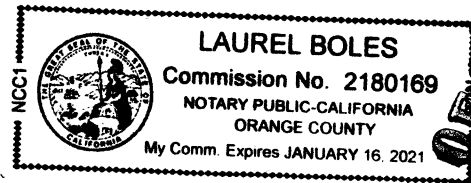
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Laurel Boles

Notary Public Signature

(Notary Public Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

Alberta Statutory Declaration

(Title or description of attached document)

Registration of Fittings

(Title or description of attached document continued)

Number of Pages 1 Document Date 09/08/2017

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

07-Sep-17

SCOPE OF CRN REGISTRATION

PRODUCT DESCRIPTION

Description	Design Standard	End Connections	EH TI Document
Memosens COS81D Oxygen Sensor	ASME B31.3, ASME B31.1	PG13.5	EH TI Document ASME B31.3 1912016/07/EN/04 ADVERTA SAFETY CODES ACT 1987/EN/04 ADVERTA

PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 230 F	MAWP AT 284 F	REGISTRATION OF FITTINGS
14F	188 psia	87 psia	REGISTRATION NO. OF 19699.52 Memosens COS 81D None TYPE OF FITTINGS <i>Sensor</i>

MATERIALS OF CONSTRUCTION

STANDARD MATERIALS (NOTE 1)	Date	INITIALS
POLYPHENYLENE SULFIDE PLASTIC, STAINLESS STEEL 1.4435 TYPE 316L UNS S31603	NOV 16 2017	<i>[Signature]</i> MILLA GRYNCHUK, P.Eng. DESIGN SURVEY ENGINEER
		None

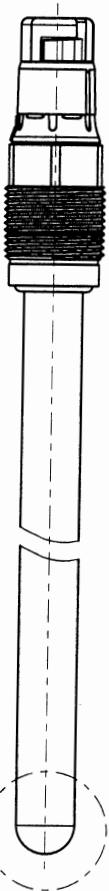
MANUFACTURING LOCATIONS

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	

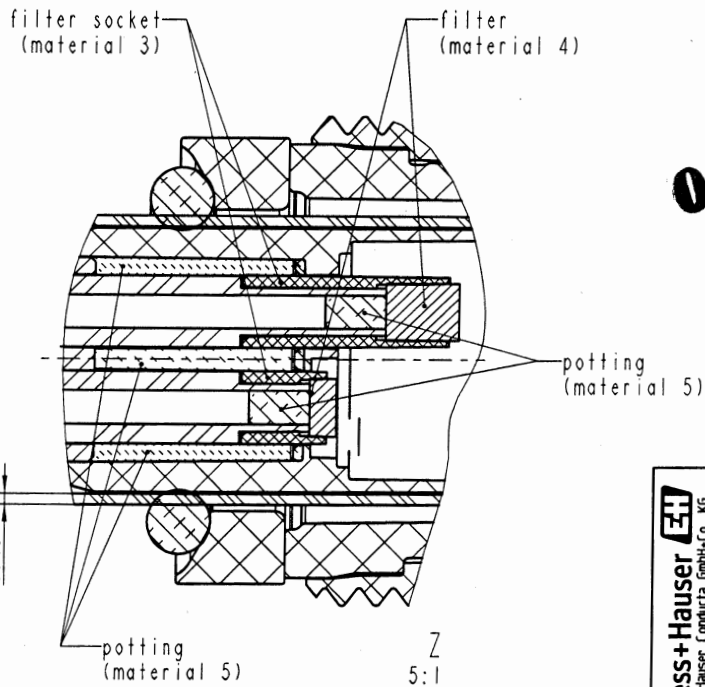
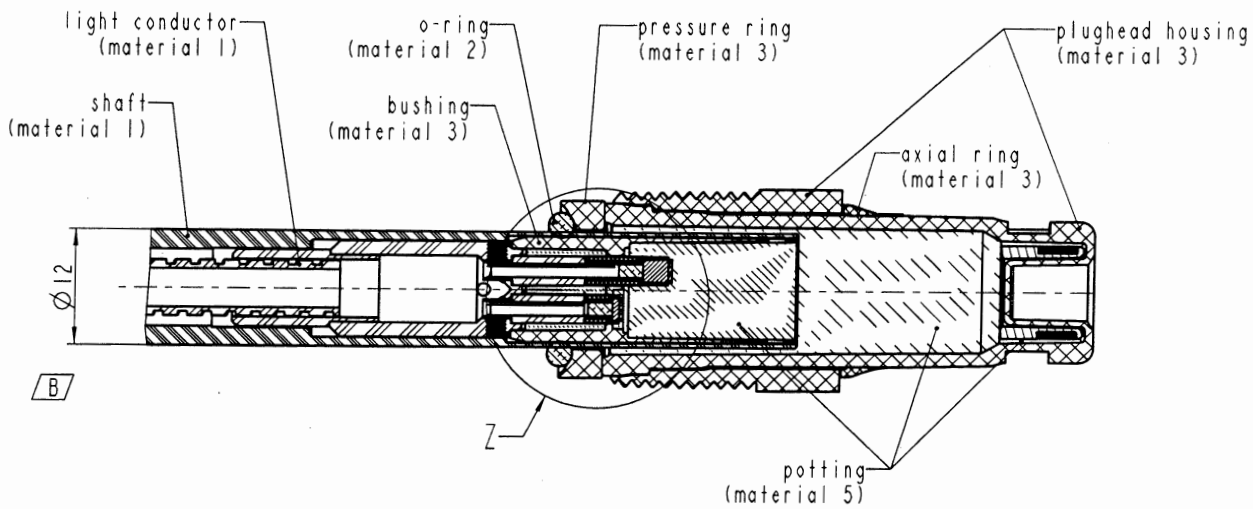
Note 1) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration:
 Type 304 S.Steel UNS S30400, Type 304L S.Steel UNS S30403, Type 316 S.Steel UNS S31600, Type 316L S.Steel UNS S31603,
 Alloy 20 UNS N08020, Hastelloy C-276 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.)

EDGES OF UNDEFINED SURFACE FINISH
 ISO 13716 GPS-FINISHING
 ISO 13716 GPS-DIMENSIONAL TOLERANCE
 ISO 14405 GPS-INDICATION OF SURFACE
 ISO 1302 GPS-DIMENSIONAL TOLERANCE
 ISO 1302 GPS-INDICATION OF SURFACE
 ISO 1302 GPS-DIMENSIONAL TOLERANCE
 ISO 14405 GPS-INDICATION OF SURFACE

length
 appr. Ordercode



type varies depending
 on variant



OF 19699.52

materials	
material 1	stainless steel
material 2	elastomer
material 3	plastics
material 4	glass
material 5	epoxy encapsulant

Endress+Hauser Endress+Hauser Conducta GmbH & Co. KG Datteln, Germany	Refer to protection notice ISO 16016 Classification:		Scale 2:1	Tolerance -	
	Title Manufacturing drawing COS8XD CRN			Notf. no. 2017-05-09 BlochwitzS	Drawing chng.
	Manufacturing drawing COS8XD CRN		Number of changes 0	Welding contr.	
	Project Material		Status Production Released	Approval contr.	
	No. of document 414165		Released 2017-08-01 VettermannJ	Version B	Doc. part -
Weight SAP material no. variabel		Volume		Format A3	Page 1 of 1



To:	TSSA	From:	Janet Townsend
Company:	Endress + Hauser Conducta Inc.	Phone:	416-747-4291
Pages:	12	Location:	Toronto
Our File:	ANR-4750	Date:	December 6, 2017

Your File: 2180118

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Endress + Hauser Conducta Inc.

These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces.

The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0F19699.56.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

Janet Townsend
Program Manager
CSA Group

178 Rexdale Blvd.
Toronto, ON, M9W 1R3

Canada

www.csagroup.org

REGISTERED
CRN: CSA-OF19699.56
Registration Process administered by
CSA Group per CSA B51

Statutory Declaration Registration of Fittings

(a) Design Qualification

I MIKE YUROSKI
(Name of applicant)

QUALITY MANAGER
(Position eg, president, plant manager, chief eng.)

of ENDRESS+HAUSER CONDUCTA INC.
(name of company)

Located at 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

- comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required:
- Or
- are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with _____ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001: 2008, and has been verified by the following authority or authorized agency SQS


The fittings² covered by this declaration, for which I seek registration, are CATEGORY F

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

DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN

Declared before me at _____
 In the of _____ of _____
 The _____ day of _____ AD 2000

 A (commissioner for oaths)

See attached acknowledgment

Michael Youroski
 Signature of Declarer


For Official Use Only

The application is accepted for registration in Category F in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.
EXPIRY DATE: OCT. 03. 2027

Registered Number CRN CSA - OF19699.56

For the Chief Inspector R. BARNES
 Date NOV. 30. 2017



¹ Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.
² All fittings are required to be registered in the name of the Manufacturer.
³ This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.



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 September 8, 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.

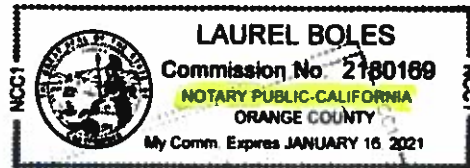
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Laurel Boles

Notary Public Signature

(Notary Public Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

Quebec Statutory Declaration

(Title or description of attached document)

Registration of Fittings

(Title or description of attached document continued)

Number of Pages 1 Document Date 09/08/2017

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.
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 - ❖ 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.

REGISTERED
CRN: CSA-OF 19699.56

2202 2nd Ave. Regina, SK S4R 1K3
 PH: (306) 798-7112 Toll Free: (866) 530-8599
 FX: (306) 87-9223 Toll Free: (866) 760-9255
 Email: boilerpermits@tsask.ca
 Website: www.tsask.ca

Registration Process administered by
 CSA Group per CSA B51


Statutory Declaration (Registration of Fittings) TSK-1008

I. Declaration Information

I, MIKE YOUROSKI
QUALITY MANAGER
(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: ENDRESS+HAUSER CONDUCTA INC.
(name of manufacturer)

located at: 4123 LA PALMA AVE. ANAHEIM, CA 92807, USA
(Plant Address - Apt/Street) (City, Prov) (Postal Code)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.


do solemnly declare that the fittings listed hereinunder, which are subject to the *Saskatchewan Boiler and Pressure Vessel Safety Act* (check one)

Comply with the requirements of ASME B31.1, B31.3 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 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 manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001:2008 SQS as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY F

In support of this application, the following information, calculations and / or test data are attached:
DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN

II. Declaration

DECLARED before me at _____ In the _____ of _____
 this _____ day of _____

Michael Youroski Michael Youroski
(print name) (Signature)

See attached acknowledgment
(Signature of Commissioner of Oaths)

III. Office Use Only

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

CSA-OF19699.56 NOV. 30. 2017 OCT. 03. 2027
(Registration Number) (Date Registered - MM DD YYYY) (Expiry Date - MM DD YYYY)

R. BARNES
(For the Administrator/Chief Inspector)



Note: See the attachment for the scope of the registration.

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 September 8, 2017 before me, Laurel Boles,
(Here insert name and title of the officer)

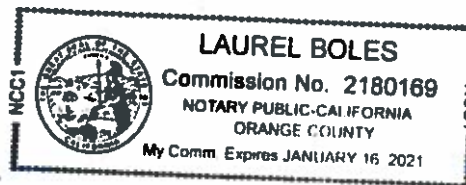
personally appeared Michael Youroski,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~(is)~~ are subscribed to the within instrument and acknowledged to me that ~~he~~ she/they executed the same in ~~his~~ her/their authorized capacity(ies), and that by ~~his~~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



Notary Public Signature



(Notary Public Seal)

ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

Saskatchewan Statutory Declaration
(Title or description of attached document)

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

Number of Pages 1 Document Date 09/08/2017

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.



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: 416 734 3300
Fax: 416 231 1626
Toll Free: 1 877 682 8772

www.tssa.org

October 03, 2017

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

Service Request Type: BPV-Fitting Registration
Service Request No.: 2162166
Your Reference No.: EH-CRN-25
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:

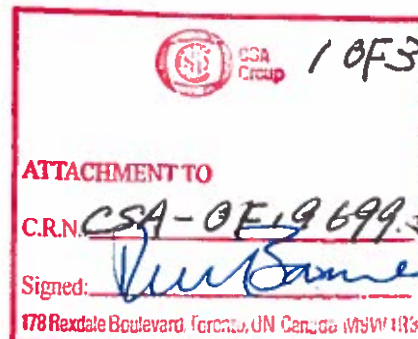
CRN No.: 0F19699.5
Main Design No.: MEMOSENS COS81D Oxygen Sensor (see the attachment to the Statutory Declaration Form for full scope of registration)
Expiry Date: 03-Oct-2027

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

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,


Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@tssa.org



ENDRESS+HAUSER CONDUCTA INC.
 4123 LA PALMA AVE.
 ANAHEIM, CA
 92807, USA

07-Sep-17

SCOPE OF CRN REGISTRATION

PRODUCT DESCRIPTION

Description	Design Standard	End Connections	EH TI Document
Memosens COS81D Oxygen Sensor	ASME B31.3, ASME B31.1	PG13.5	TI01201C/07/EN/01.15

PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 230 F	MAWP AT 284 F
14F	188 psia	87 psia

**THIS IS PART OF
 CRN 019699.5**
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
 Nov 06 3 17



MATERIALS OF CONSTRUCTION

STANDARD MATERIALS (NOTE 1)
POLYPHENYLENE SULFIDE PLASTIC, STAINLESS STEEL 1.4435 TYPE 316L UNS S31603

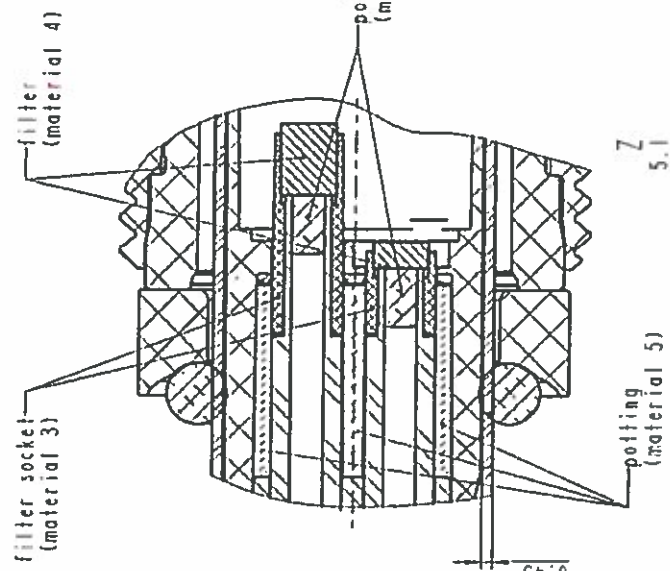
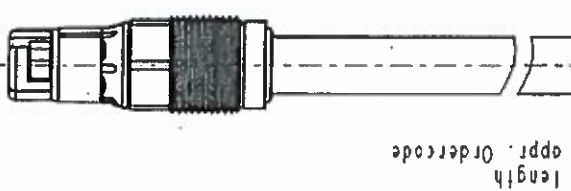
ATTACHMENT TO

CRN: *CSA-019699.5*
 Signed: *[Signature]*
 178 Readable Doc: *[Signature]* Toronto, ON Canada MSW 1R3

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 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.)



CSA Group
30F3
ATTACHMENT TO
CRN 19699.5
Signed: *W. J. Zame*
118 Hochhaus, Jägerstr. 10, 10179 Berlin, Germany

THIS IS PART OF
CRN of 19699.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety program
W. J. Zame
Oct. 3/14

materials	material 1	material 2	material 3	material 4	material 5
	stainless steel	elastomer	plastics	glass	epoxy encapsulant

Refer to protection notice ISO 16016
Classifications

Title: Manufacturing drawing
COSBXD CRN

Project: Manufacturing drawing
COSBXD CRN

Scale: 2:1

Drawn: 2017-05-09 Bioethelz

Number of changes: 0

Drawn by: *W. J. Zame*

Checked by: *W. J. Zame*

Project no.: 414165

Version: B

Sheet: 1 of 1

Endress+Hauser Conducta GmbH, Germany
Endress+Hauser Conducta GmbH, Germany
Endress+Hauser Conducta GmbH, Germany



Certificate

SQS herewith certifies that the company named below has a management system which meets the requirements of the standards specified below.



Endress+Hauser Conducta GmbH & Co. KG
Dieselstrasse 24
70839 Gerlingen
Germany

Scope of certification

According to appendix

Field of activity

Research and development, manufacturing and sales
of measurement technology for liquid analysis

Normative basis

ISO 9001:2015	Quality Management System
ISO 14001:2015	Environmental Management System
OHSAS 18001:2007	Occupational Health and Safety Management System

Scope(s) 18, 19

Validity 01.04.2017 – 31.03.2020
Issue 01.04.2017

Reg. no. 10705

X. Edelmann, President SQS

R. Glauser, CEO SQS



Swiss Association for Quality and
Management Systems SQS
Bernstrasse 103, 3052 Zollikofen, Switzerland





Endress+Hauser Conducta GmbH & Co. KG
Dieselstrasse 24
70839 Gerlingen
Germany

Central Function	Field of activity	Scope(s)	Norm / Revision	Reg. no.	Validity
Endress+Hauser Conducta GmbH & Co. KG Dieselstrasse 24 / Postfach 100 154 70839 Gerlingen Germany	Research and development, manufacturing and sales of measurement technology for liquid analysis	18, 19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10705	01.04.2017 31.03.2020

Locations	Field of activity	Scope(s)	Norm / Revision	Reg. no.	Validity
Endress+Hauser Conducta GmbH & Co. KG Siemensstraße 2 64823 Groß-Umstadt Germany	Research and development, manufacturing and sales of measurement technology for liquid analysis	18, 19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10705	01.04.2017 31.03.2020
Endress+Hauser Conducta Waldheim Gewerbegebiet Richzenhain Landsberger Straße 28 04736 Waldheim Germany	Research and development, manufacturing and sales of measurement technology for liquid analysis	18, 19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10705	01.04.2017 31.03.2020
Endress+Hauser Conducta, Inc. 4123 East La Palma Ave, Suite 200 Anaheim, CA 92807 United States of America	Research and development, manufacturing and sales of measurement technology for liquid analysis	18, 19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10705	01.04.2017 31.03.2020
Endress+Hauser Analytical Instruments (Suzhou) Co., Ltd. 491 Su-Hong-Zhong-Lu China-Singapore Industrial Park Suzhou, Jiangsu Province China	Research and development, manufacturing and sales of measurement technology for liquid analysis	18, 19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10705	01.04.2017 31.03.2020

X. Edelmann
X. Edelmann, President SQS

R. Glajser
R. Glajser, CEO SQS



Swiss Association for Quality and Management Systems SQS
Bernstrasse 103, 3052 Zollikofen, Swiss



178 Rexdale Blvd.
Toronto, Ontario
Canada M9W 1R3
Tel: (416) 747-4000
www.csagroup.org



March 2017

CRN – Canadian Registration Numbers - Saskatchewan

The Province of Saskatchewan participates with Quebec and the Canadian Standards Association (CSA Group) for the registrations of “Fittings”.

Per an agreement with CSA Group in April 1998, Saskatchewan recognizes registrations done by CSA Group and accepts such fittings for use in Saskatchewan.

The letters “CSA” are applied as a prefix to the CRN to indicate which “Fittings” have been registered in this manner. You should inform your clients of this additional marking requirement and that “Fittings” registered by CSA Group are accepted for use in Saskatchewan Canada.



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

December 18, 2017

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

Service Request Type.: BPV-National ACI Central
Service Request No.: 2180098
Your Reference No.: EH-CRN-25
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from PEI, NS, NB, NFLD, YK, NWT, NU registered under the CRN No.: 0F19699.59870YTN.

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

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC.	
Manufacturers Address: 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807	
Plant Locations: GERMANY, P.R. CHINA, USA	
<p align="center">Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)</p>	<p align="center">Title of the Standard of Construction</p> <p>ASME B31.3 ASME B31.1</p>
<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <p align="center">Endress + Hauser People for Process Automation</p>	<p align="center">Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other:</p>
<p>List of supporting documentation and identification of the actual items to be registered:</p> <p>- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN</p>	

Declaration:

I MIKE YOURSIO, QUALITY MANAGER (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ees (20 001200) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Michael Yoursio
 Declared before me at _____
 This _____ day of _____ AD _____
 Commissioner of Oaths
 Or Notary Public: (sign) _____

Use this space for the Official Seal

See attached acknowledgment

(Affix Official seal to the right)

This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0F19699.5</u> FID#: <u>14878</u> Notes: 1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation. 11/2016	<p>ACCEPTED</p> <p>PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT</p> <p>C.R.N. <u>0F19699.59</u> DATE: <u>Nov 10 2017</u></p> <p><u>Jennifer McCabe</u> INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH</p> <p><small>2017-10-27 Fittings Rev.2</small></p>


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC.	
Manufacturers Address: 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807	
Plant Locations: GERMANY, P.R. CHINA, USA	
<p>Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p>Title of the Standard of Construction</p> <p>ASME B31.3 ASME B31.1</p>
<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <p style="text-align: center;">Endress+Hauser  People for Process Automation</p>	<p>Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other:</p>
<p>List of supporting documentation and identification of the actual items to be registered:</p> <p>- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN</p>	

Declaration:

I MIKE YOURSKI, QUALITY MANAGER (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO (ISO 9001:2008) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Michael Yourski
Declared before me at _____
This _____ day of _____ AD _____
Commissioner of Oaths
Or Notary Public: (sign) _____
(Affix Official seal to the right)

Use this space for the Official Seal

See attached acknowledgment

This space for Regulatory Authority use.
 This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OF19699.5
 FID#: 14878

Notes:

- All Fittings shall be registered in the name of the Manufacturer.
- Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
- The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality Control programs shall be resubmitted for validation.

11/2018

BOILER & PRESSURE VESSEL
 NOVA SCOTIA
 Date Nov. 10/17
 C.R.N. OF19699.5B
 Dwg. as described
 Signed Yvonne Perry
1 of 1
 Part
 ACT & REGULATIONS

Sect 1.0 - Fittings Rev.2

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC.	
Manufacturers Address: 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807	
Plant Locations: GERMANY, P.R. CHINA, USA	
<p align="center">Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)</p>	<p align="center">Title of the Standard of Construction</p> <p>ASME B31.3 ASME B31.1</p>
<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <p align="center"> Endress+Hauser People for Process Automation </p>	
<p>List of supporting documentation and identification of the actual items to be registered:</p> <p>- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN</p>	

Declaration:

I MIKE YUROSKI, QUALITY MANAGER (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS (ISO 9001:2008) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Michael Youroski
 Declared before me at _____
 This _____ day of _____ AD _____
 Commissioner of Oaths
 Or Notary Public: (sign) _____

Use this space for the Official Seal

See attached acknowledgment

(Affix Official seal to the right)

<p>CRN: <u>0F19699.5</u></p> <p>FID#: <u>14878</u></p> <p>Notes:</p> <ol style="list-style-type: none"> All Fittings shall be registered in the name of the Manufacturer. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. Quality Control programs shall be resubmitted for validation. <p>11/2016</p>	<p align="center">This space for Regulatory Authority use. <u>NS</u> <u>New Brunswick</u> This registration must be revalidated after ten (10) years from the date of registration.</p> <p align="center">DEPT OF PUBLIC SAFETY BOILER & PRESSURE VESSEL ACT</p> <p align="center">REGISTRATION ONLY</p> <p>CRN: <u>0F19699.57</u></p> <p>EXAMINER: <u>[Signature]</u> for CHIEF BOILER INSPECTOR <small>Section 1.0 - Fittings Rev.2</small></p> <p>DATE: <u>11/10/2017</u></p>
---	--

BLRs PVs
 FITTINGS COMPONENTS


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC	
Manufacturers Address: 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807	
Plant Locations: GERMANY, P.R. CHINA, USA	
<p align="center">Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p><input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p align="center">Title of the Standard of Construction</p> <p>ASME B31.3</p> <p>ASME B31.1</p>
Show Manufacturers Name, Trademark, or Logo as it will appear on the product	
<p>Endress + Hauser </p> <p>People for Process Automation</p>	
Type of Construction	
Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other:	
List of supporting documentation and identification of the actual items to be registered:	
- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN	

Declaration:

I NIKE YOURISKI, QUALITY MANAGER (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SCS (ISO 9001:2008) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: *Michael Youriski*
 Declared before me at _____
 This _____ day of _____ AD _____
 Commissioner of Oaths _____
 Or Notary Public: (sign) _____

Use this space for the Official Seal

See attached acknowledgment

(Affix Official seal to the right)

This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>OF19699.5</u> FID#: <u>14878</u>	Newfoundland Labrador Service NL Registered <u>OF19699.50</u> Date <u>17/11/10</u> Engineering and Inspection Services Registered by <u>[Signature]</u>
Notes: 1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation.	UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS
11/2018	


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC.	
Manufacturers Address: 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807	
Plant Locations: GERMANY, P.R. CHINA, USA	
<p align="center">Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)</p>	<p align="center">Title of the Standard of Construction</p> <p align="center">ASME B31.3 ASME B31.1</p>
Show Manufacturers Name, Trademark, or Logo as it will appear on the product	
<p>Endress+Hauser </p> <p>People for Process Automation</p>	
<p align="center">Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other:</p>	
List of supporting documentation and identification of the actual items to be registered:	
- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN	

Declaration:

I MIKE YOUROSKI, QUALITY MANAGER (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS (ISO 9001:2008) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Michael Youroski

Declared before me at _____

This _____ day of _____ AD _____


Commissioner of Oaths _____

Or Notary Public: (sign) _____

Use this space for the Official Seal

See attached acknowledgment

(Affix Official seal to the right)

<p>This space for Regulatory Authority use.</p> <p>This registration must be revalidated after ten (10) years from the date of acceptance.</p>	
CRN: <u>0F19699.5</u>	
FID#: <u>14878</u>	
<p>Notes:</p> <ol style="list-style-type: none"> All Fittings shall be registered in the name of the Manufacturer. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. Quality Control programs shall be resubmitted for validation. 	
11/2016	 <p>Sect 1.0 - Fittings Rev.2</p>


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC.	
Manufacturers Address: 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807	
Plant Locations: GERMANY, P.R. CHINA, USA	
<p align="center">Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p align="center">Title of the Standard of Construction</p> <p>ASME B31.3 ASME B31.1</p>
<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <p align="center">Endress+Hauser  People for Process Automation</p>	<p align="center">Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other:</p>
<p>List of supporting documentation and identification of the actual items to be registered:</p> <p>- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN</p>	


Declaration:

I MIKE YOURSKI, QUALITY MANAGER (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by 905 (30 0901200) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Michael Yourski
 Declared before me at _____
 This _____ day of _____ AD _____
 Commissioners of Oaths _____
 Or Notary Public: (sign) _____

Use this space for the Official Seal

See attached acknowledgment

<p>CRN: <u>0F19699.5</u></p> <p>FID#: <u>14878</u></p> <p>Notes:</p> <ol style="list-style-type: none"> All Fittings shall be registered in the name of the Manufacturer. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. Quality Control programs shall be resubmitted for validation. <p>11/2016</p>	<p align="center">This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p align="center">  Northwest Territories REGISTERED UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT. C.R.N. <u>0F19699.5</u> SIGNED <u>[Signature]</u> DATE <u>Nov 14 2017</u> </p> <p align="right">9200 Sect 1.9 - Fittings Rev.2</p>
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC.	
Manufacturers Address: 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807	
Plant Locations: GERMANY, P.R. CHINA, USA	
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<p align="center">Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <p align="center">Endress+Hauser  People for Process Automation</p>	<p align="center">Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other:</p>
<p>List of supporting documentation and identification of the actual items to be registered:</p> <p>- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN</p>	

Declaration:

I MIKE YOURSKI, QUALITY MANAGER (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SOS (ISO 9001:2008) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: *Michael Yourski*
 Declared before me at _____
 This _____ Day of _____ AD _____
 Commissioner of Oaths _____
 Or Notary Public: (sign) _____

Use this space for the Official Seal

See attached acknowledgment

(Affix Official seal to the right)

<p align="center">This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>0F19699.5</u> FID#: <u>14878</u></p> <p>Notes: 1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation.</p> <p>11/2016</p>	<p align="center">NUNAVUT Boilers and Pressure Vessels Act</p> <p align="center">REGISTERED</p> <p>CRN <u>0F19699.5N</u> Date <u>NOV 10, 2017</u> Signed <u><i>[Signature]</i></u> Chief Inspector</p> <p align="right">Sect 1.0 - Fittings Rev. 2</p>
--	---



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

February 08, 2018

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

Service Request Type.: BPV-National MB
Service Request No.: 2180120
Your Reference No.: EH-CRN-25
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from MB, registered under the CRN No.: 0F19699.54.

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. : 416-214-9280
Fax : 416-231-6183
Email : jkarpinski@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 

People for Process Automation

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 1-714-577-5600
(Plant Address) (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 ASME B31.3, ASME B31.1
(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 _____ 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 type fittings. In support of this application, the following information and/or test data are attached as follows:
DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN
(drawings, calculations, test reports, etc.)

Declared before me at _____ in the _____ of _____
 the _____ day of _____ AD 20. See attached acknowledgment

Commissioner for Oaths:

(Printed name)

(Signature)

Michael 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: ΦF19699.54

Registered by: Rabie Harb

Dated: 2018/01/18

NOTE: This registration expires on Oct 3, 2027

Inspection & Technical Services Manitoba | Office of the Fire Commissioner

Manitoba 

REGISTERED

C.R.N.: ΦF19699.54
 Signed: Rabie Harb
 Date: 2018/01/18

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 September 8, 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) ~~is~~ 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.

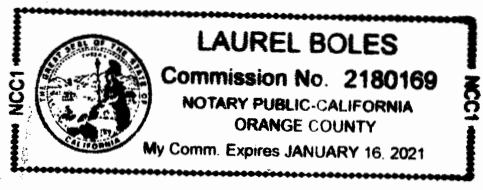
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Laurel Boles

Notary Public Signature

(Notary Public Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

TSSA Statutory Declaration
(Title or description of attached document)

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

Number of Pages 1 Document Date 09/08/2017

CAPACITY CLAIMED BY THE SIGNER

Individual (s)
 Corporate Officer

(Title)

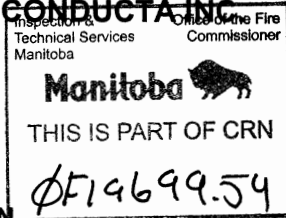
Partner(s)
 Attorney-in-Fact
 Trustee(s)
 Other _____

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



07-Sep-17

SCOPE OF CRN REGISTRATION

PRODUCT DESCRIPTION

Description	Design Standard	End Connections	EH TI Document
Memosens COS81D Oxygen Sensor	ASME B31.3, ASME B31.1	PG13.5	TI01201C/07/EN/01.15

PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 230 F	MAWP AT 284 F	NOTES
14F	188 psia	87 psia	None

MATERIALS OF CONSTRUCTION

STANDARD MATERIALS (NOTE 1)	NOTES
POLYPHENYLENE SULFIDE PLASTIC, STAINLESS STEEL 1.4435 TYPE 316L UNS S31603	None

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 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.)



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

January 24, 2018

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

Service Request Type.: BPV-National BC
Service Request No.: 2180114
Your Reference No.: EH-CRN-25
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0F19699.51.

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,

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

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

Date: November 17, 2017
Account #: 35231
Journal #: 69339

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2180114, for a Fitting is accepted for registration as follows:

Registered To: ENDRESS+HAUSER CONDUCTA CRN: 0F19699.51
INC

Drawing #: Report EH-CRN-25

Drawing Revision: 0

Conditions Of Registration:

Registration of MEMOSENS COS81D Oxygen Sensor per att'd scope sheets (2 pgs).

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 October 03, 2027. 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@technicalsaftybc.ca
Design Administration

cc:

ENDRESS+HAUSER CONDUCTA INC.
 4123 LA PALMA AVE.
 ANAHEIM, CA
 92807, USA

07-Sep-17

SCOPE OF CRN REGISTRATION

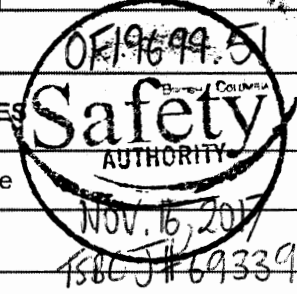
PRODUCT DESCRIPTION

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PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 230 F	MAWP AT 284 F	NOTES
14F	188 psia	87 psia	None

**THIS IS PART OF
 CRN OF 19699.5**
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
 Wch 09/3/17



MATERIALS OF CONSTRUCTION

STANDARD MATERIALS (NOTE 1)	NOTES
POLYPHENYLENE SULFIDE PLASTIC, STAINLESS STEEL 1.4435 TYPE 316L UNS S31603	None

MANUFACTURING LOCATIONS

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 Super Duplex UNS S32750, Super Duplex UNS S32760, Titanium Grade 3 UNS R50550 (Note Titanium limited to 247F max.)

