

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 DECL	- Annual Control of the Control of t			
Registration of Fitt	ings			
I, MIKE YOUROSKI, QUALITY MANAGER (Name and Position, e.g. President, Plant Manager.	Chief Facines			
	Chier Engineer)			
of ENDRESS+HAUSER CONDUCTA INC.  (Name of Manufacturer)				
	4 744 577 5000			
Located at 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807 (Plant Address)	1-714-577-5600 (Telephone No.)	(Fax No.)		
do solemnly declare that the fittings listed hereunder, which are subject to and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3, ASME B31.1	the <i>Technical Standards</i>	, ,		
(Title of recognized North American Stands which specifies the dimensions, materials of construction, pressure/temperature		the fittings and service;		
or are not covered by the provisions of a recognized North American stan- as supported by the attached data with pressure/temperature ratings and the basis for such ratings, the marking of  I further declare that the manufacture of these fittings is controlled by a quality system.  which has been verified by the following authority, SQS	nich identifies the dimension the fitting for identification a	s, material of construction, and service.		
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:		<b>3</b>		
DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN				
	<del>-</del>			
(drawings, calculations, lest reports, et	c.)			
		of		
(drawings, calculations, test reports, et		of		
the day of AD 20  Commissioner for Oaths:		of		
Declared before me atin the  theday ofAD 20  Commissioner for Oaths:  (Printed name)  See attached acknowledgment	MeMail Jour (Signature of Da Technical Standards	Boilers and Pressure Vessels Safety Program		
Declared before me at	Medial Jour (Signature of De Standards and Safety	Boilers and Pressure Vessels		
Declared before me at	Medial Jour (Signature of De Standards and Safety	Boilers and Pressure Vessels		

NOTE: This registration expires on

PV 09553 (06/N) O/E: MEMOSENS COSSID OXYGEN SENSOR Walnut oct. 3/17

#### **ENDRESS+HAUSER CONDUCTA INC.**

4123 LA PALMA AVE. ANAHEIM, CA 92807, USA

#### SCOPE OF CRN REGISTRATION

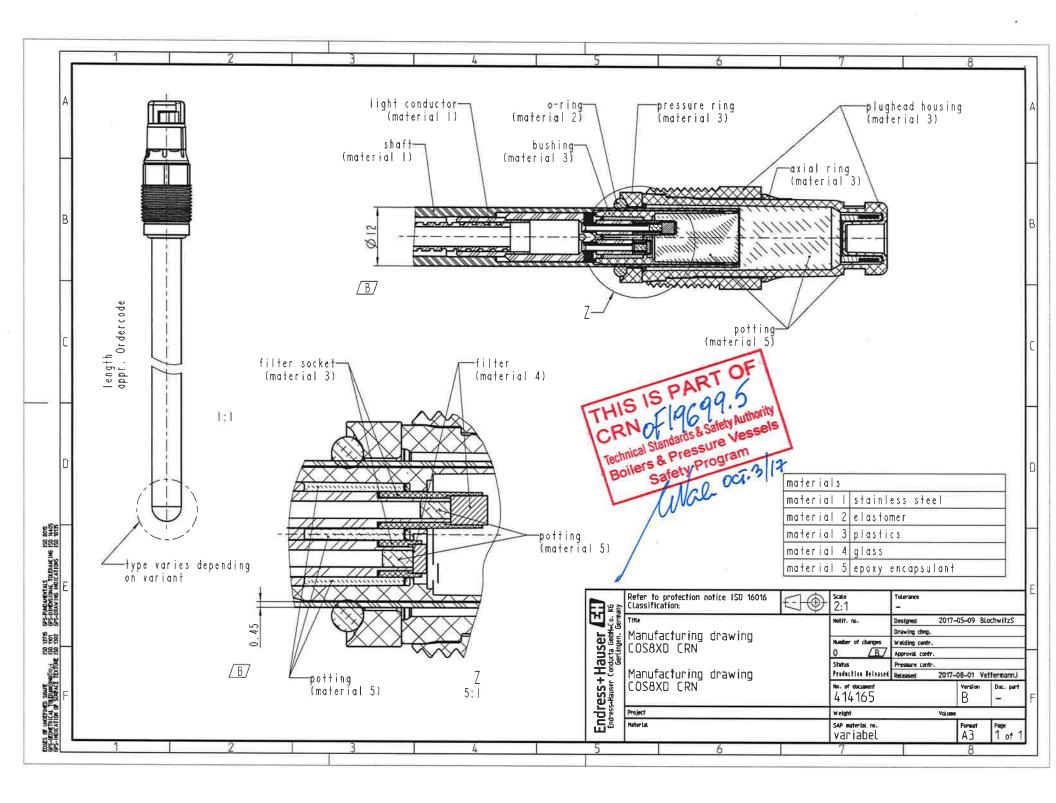
#### PRODUCT DESCRIPTION

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
RESSURE - TEMPER	RATURE RATINGS		EUS IS PAR 19.5	
МОМТ	MAWP AT 230 F	MAWP AT 284 F	CRN O GO Authority  CRN O GO Authority  CRN O GO Authority  Technical Standards & Safety Authority  Technical Standards & Pressure Vessel NOTE  Boilers & Pressure Vessel NOTE  Boilers & Pressure Vessel NOTE  Safety Program  Boilers & Pressure Vessel NOTE  Technical Standards & Pressure Vessel NOTE  Technical Standard & Pressure Vessel NOTE  Technical Standard & Pressel NO	ES
14F	188 psia	87 psia	Roilers & Pressure Program Boilers & Pressure Program None	е
MATERIALS OF CON	STRUCTION		With och ?	
	STANI	OARD MATERIALS (N	OTE 1)	NOTES
POLYPHENY	LENE SULFIDE PLAS	TIC, STAINLESS STE	EL 1.4435 TYPE 316L UNS S31603	None

#### MANUFACTURING LOCATIONS

MIANO ACTORING ECOATIONS	
Endress+Hauser Conducta	Endress+Hauser Conducta
70839 Gerlingen incl. manufacturing sites	215021 Suzhou, Endress+Hauser Analytical Instruments Suzhou Co. Ltd.
04736 Waldheim and 64823 Gross-Umstadt, Germany	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

9410 - 20 Ave N.W.

Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

November 16, 2017

**Attention:** Tanya Francis

Email:tfrancis@tssa.org

**TECHNICAL STANDARDS & SAFETY AUTHORITY** 

345 CARLINGVIEW DRIVE TORONTO, ON M9W 6N9

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

2017-06818

Page 1 of 1





In this space, show facsimile of

#### STATUTORY DECLARATION Registration of Fittings

I,	MIKE YOUROSKI	, QUALITY MANA	GER	as it will appear on the fitting.
	(name of applicant)	(position title) (must b	e in a position of authority)	
of	ENDRESS+HAUSER CONDUC	CTA INC.		Endress+Hauser 🖾
		(name of manufacturer)		People for Process Automation
loc	ated at 4123 LA PALMA AVE.,		07	
	solemnly declare that the fittings neck one)	(plant address) s listed hereunder, which a	re subject to the Safety C	codes Act
$\boxtimes$	comply with the requirement	ts of ASME B31.3, ASME (title of recognized North A		pecifies the dimensions,
	materials of construction, p	ressure/temperature ratinç	gs and identification mark	ing of the fittings, or
	are not covered by the provi	isions of a recognized Nor	th American standard and	d are therefore manufactured
	to comply with		as	supported by the attached
	(title of	code of construction or other app	olicable document)	
	data which identifies the din	nensions, materials of con	struction, pressure/tempe	rature ratings and the basis
	for such ratings, and the ma	arking of the fittings for ide	ntification.	
l fu	urther declare that the manufactu	are of these fittings is conta	rolled by a quality control	program which has been
ve	rified by the following authority, S	SQS (ISO 9001:2008)	as being suitable	e for the manufacture of these
fitt	ings to the stated standard. The	fittings covered by this de	eclaration, for which I seel	registration, are
	-	,	·	
	CATEGORY F	(huiof documention of fittings)		
In	support of this application, the fo	(brief description of fittings) bllowing information, calcu		e attached:
	PRAWINGS, CALCULATIONS, F	REPORTS, SCOPE OF C	RN	
DE		in the		province or state)
(p	print) (a Commissioner of Oaths or I		Yeár)	
(si	(a Commissioner of Caths of See attached or (a Commissioner of Oaths or 1)	Notary Public)  Knowledgmen  Notary Public)	Michael You (signature	of applicant)
Fo	or ABSA Office Use Only:			
N	OTES:			
To St	o the best of my knowledge and l andard B51, Clause 42, and is a	belief, the application mee accepted for registration ir	ts the requirements of the Category	e Safety Codes Act and CSA
Re	egistration Number:	3033.52	677	the Administrator/SCO
	ate registered.	2017	Expiry Date:	the Administrator(SCO)
	e information you provide is necessary only essure Equipment Discipline.	y for the administration of the prog	rams as required by the Alberta S	Safety Codes Act and Regulations in the

#### **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.

County of Orange	}
On September 8, 2017 before me, _I	_aurel Boles,
personally appeared Michael Youroski	(Here insert name and title of the officer)
who proved to me on the basis of satisfa	actory evidence to be the person( <del>s)</del> whose
	nstrument and acknowledged to me that er/their authorized capacity(ies), and that by
	ent the person( <del>s)</del> , or the entity upon behalf of
I certify under PENALTY OF PERJURY	under the laws of the State of California that
the foregoing paragraph is true and cor	rect. LAUREL BOLES
WITNESS my hand and official seal.	Commission No. 2180169 NOTARY PUBLIC-CALIFORNIA ORANGE COUNTY
Laurel Bolos	My Comm. Expires JANUARY 16, 2021
Notary Public Signature (No	otary Public Seal)
ADDITIONAL OPTIONAL INFORMATI	INSTRUCTIONS FOR COMPLETING THIS FORM
ADDITIONAL OPTIONAL INFORMATION OF THE ATTACHED DOCUMENT	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
Alberta Statutory Declaration	law.
(Title or description of attached document) Registration of Fittings	<ul> <li>State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.</li> </ul>
(Title or description of attached document continued)	<ul> <li>Date of notarization must be the date that the signer(s) personally appeared which</li> </ul>
Number of Pages 1 Document Date 09/08/2017	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).
	<ul> <li>Print the name(s) of document signer(s) who personally appear at the time of notarization.</li> </ul>
CAPACITY CLAIMED BY THE SIGNER	<ul> <li>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</li> </ul>
☑ Individual (s)	information may lead to rejection of document recording.
☐ Corporate Officer	<ul> <li>The notary seal impression must be clear and photographically reproducible.</li> <li>Impression must not cover text or lines. If seal impression smudges, re-seal if a</li> </ul>
(Title)	sufficient area permits, otherwise complete a different acknowledgment form.
☐ Partner(s)	<ul> <li>Signature of the notary public must match the signature on file with the office of the county clerk.</li> </ul>
☐ Attorney-in-Fact	Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
☐ Trustee(s) ☐ Other	Indicate title or type of attached document, number of pages and date.
Other	Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
www.NotaryClasses.com 800-873-9865	<ul> <li>Securely attach this document to the signed document with a staple.</li> </ul>

State of California

#### **ENDRESS+HAUSER CONDUCTA INC.**

4123 LA PALMA AVE. ANAHEIM, CA 92807, USA

#### **SCOPE OF CRN REGISTRATION**

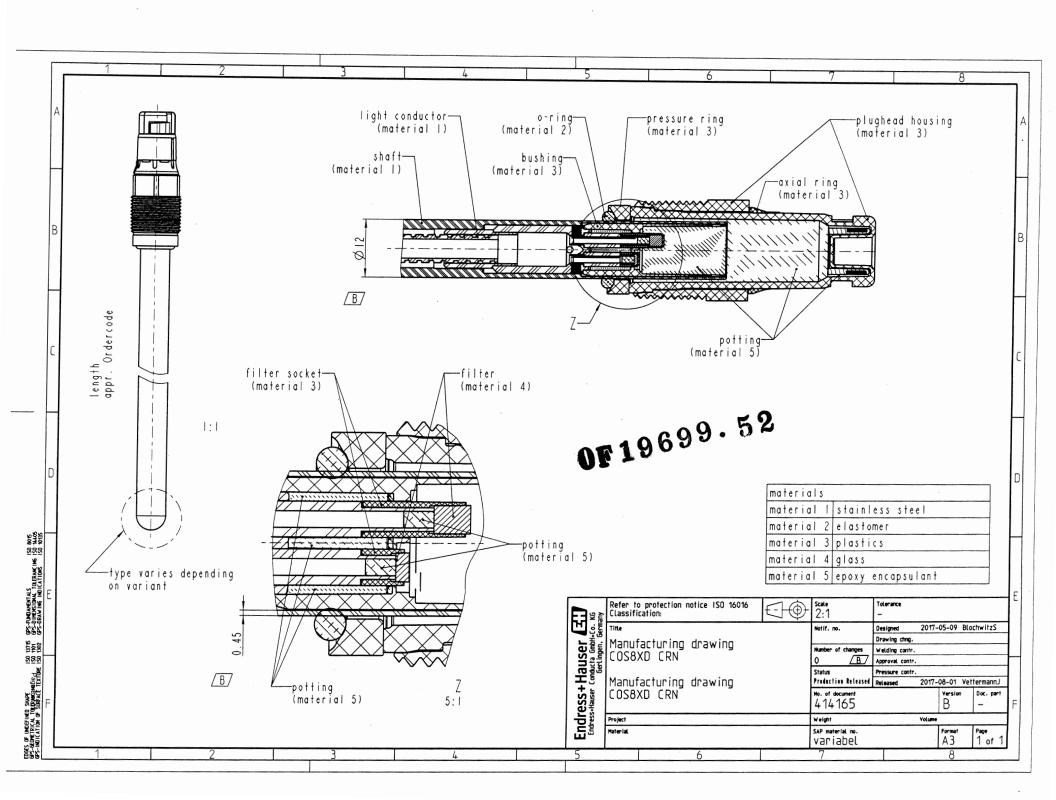
#### PRODUCT DESCRIPTION

RODGET DESCRIP	FIGIN	The second secon			
Description	Design Standard		End Connections	~	EH TI Document
Memosens COS81D Oxygen Sensor	ASME B31.3, ASME B31.1		PG13.5	SAFET	CODES ACT 12046 (AMEN OF AGRETTA
PRESSURE - TEMPE	RATURE RATINGS				EGISTRATION OF FITTINGS
MDMT	MAWP AT 230 F	MAWP AT 284 F		нон	Me mosens COS 81
14F	188 psia	87 psia			o. & CAT. NO.
MATERIALS OF CON	STRUCTION			A A1	6 2017 C
	STANI	OARD MATERIALS (NO	OTE 1)	Date	MILLE GRYNCHUK, P.Eng. Design survey Engineer
POLYPHEN	LENE SULFIDE PLAS	TIC, STAINLESS STEE	EL 1.4435 TYPE 316L UNS S3	1603	None

#### MANUFACTURING LOCATIONS

Endress+Hauser Conducta	Endress+Hauser Conducta
70839 Gerlingen incl. manufacturing sites	215021 Suzhou, Endress+Hauser Analytical Instruments Suzhou Co. Ltd.
04736 Waldheim and 64823 Gross-Umstadt, Germany	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.)





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.

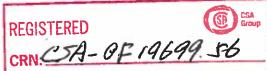
Yours truly

Janet Townsend Program Manager CSA Group

178 Rexdale Blvd. Toronto, ON, M9W 1R3

#### Canada

www.csagroup.org



#### Statutory Declaration Registration of Fittings

(a) Design Qualification	Registration Process administered by CSA Group per CSA B51	
1 MIKE YOUROSKI	COA GLOUP BEL COA DOI	
(Name of applicant) QUALITY MANAGER		
(Position eg, president, plant manager, c	hief 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 Bolk	ers & Pressure Vessels Act:	
comply with all the requirements of the ANSI/ASME codes as to their dime	nsions, material, identification & service for which are	
required: Or		
are not covered by the provisions of the ANSI/ASME codes, and are therefore	pre constructed to comply with	
code and standard, and are designed to the best curre	nt engineering practice, as shown by the supporting	
	Findley 0 w. N. Muller, M.	
(b) Quality control of Manufacture		
I further declare the manufacture of these fittings is controlled by a quality control p  ISO 9001: 2008, and has been verified by the following authority or aut	rogram which complies with the requirements of horized agency SQS	
The fittings <sup>2</sup> 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  DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN	are attached:	
Declared before me at /	att-about 1	
In the of	attached acknowledgment	
	/4 (St.) Euro	
The day of AD 2 0 0	and a second a second and a second a second and a second	
	Mad Yourse . Signature of Declarer	
A (commissioner for oaths)	Signature of Declarer	
For Official Use Only		
The application is accepted for registration in Category in account CSA Standard B51.	rdance with the Boilers and Pressure Vessels Act	
This registration must be revalidated after ten (%) years from the date of accepta EXPIRY DATE: OCT . O3 . 2027	nce.	
	Group R. BARNES  Roup NOV .30. 2017	

All fittings are required to be registered in the name of the Manufacturer.

Three completed copied of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.

This form shall be completed and signed by the president of highest officially 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)  (Here insert name and title of the officer)
personally appeared Michael Youroski	(SE) BIOLE
who proved to me on the basis of satisf	actory evidence to be the person(s) whose
	instrument and acknowledged to me that
	er/their authorized capacity(ies), and that by
	ent the person(s), or the entity upon behalf of
which the person(s) acted, executed the	
ייים ביים ביים אולים ליים ביים ביים ביים ביים ביים ביים ב	
•	under the laws of the State of California that
the foregoing paragraph is true and cor	
	LAUREL BOLES
WITNESS my hand and official seal.	Commission No. 2180169 g
	My Comm. Expires JANUARY 16 2021
Laural R. Co	wy comin Express severe (10 alz)
Notary Public Signature (No	otary Public Seal)
Trousy's abile digitality (17)	Naty Callo Cody
ADDITIONAL OPTIONAL INCORMATI	INSTRUCTIONS FOR COMPLETING THIS FORM
ADDITIONAL OPTIONAL INFORMATION OF THE ATTACKED POOLINGS	This form complies with current California statutes regarding notary wording and if needed, should be completed and attached to the document. Acknowledgments
DESCRIPTION OF THE ATTACHED DOCUMENT	from other states may be completed for documents being sent to that state so long
Quebec Statutory Declaration	as the wording does not require the California notary to violate California notary law.
(Title or description of attached document)	State and County information must be the State and County where the document
Registration of Fittings	<ul> <li>signer(s) personally appeared before the notary public for acknowledgment.</li> <li>Date of notarization must be the date that the signer(s) personally appeared which</li> </ul>
(Title or description of attached document continued)	must also be the same date the acknowledgment is completed.
Number of Pages _1 Document Date _ 09/08/2017	<ul> <li>The notary public must print his or her name as it appears within his or he commission followed by a comma and then your title (notary public).</li> </ul>
	Print the name(s) of document signer(s) who personally appear at the time of
CARACITY OF AUGED BY THE COMES	notarization.  • Indicate the correct singular or plural forms by crossing off incorrect forms (i.e.
CAPACITY CLAIMED BY THE SIGNER	he/she/they, is /ere ) or circling the correct forms. Failure to correctly indicate this
<ul><li>☑ Individual (s)</li><li>☐ Corporate Officer</li></ul>	information may lead to rejection of document recording.
- Corporate Officer	<ul> <li>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</li> </ul>
(Title)	sufficient area permits, otherwise complete a different acknowledgment form.
☐ Partner(s)	<ul> <li>Signature of the notary public must match the signature on file with the office of the county clerk.</li> </ul>
☐ Attorney-in-Fact	Additional information is not required but could help to ensure this appropriate the property of the prop
☐ Trustee(s) ☐ Other	acknowledgment is not misused or attached to a different document. Indicate title or type of attached document, number of pages and date.
Other	Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
www.NotaryClasses.com 800-873-9865	Securely attach this document to the signed document with a staple.
AND SANCE AND ADDRESS OF THE ADDRESS	



REGISTERED

| CSA | 2202 2nd Ave. |
| Regina, SK S4R 1K3 |
| Regina,

#### Statutory Declaration (registrings of ream administered by

CSA Group per CSA 851

TCK\_1008

		131/-1000
I. Declaration Information		
I, MIKE YOUROSKI		In this space, show facsimile of
QUALITY MANAGER		manufacturer's logo or trademark as it will appear on the fitting.
(company title, e.g., vice president, plant manage (must be in a position of authority in the manufacturing plant	r, chief engineer) where the fitting is produced)	Endress + Hauser (31)
of: ENDRESS+HAUSER CONDUCTA INC.		People for Process Automation
(name of manufacturer)	<del></del>	
located at: 4123 LA PALMA AVE.	ANAHEIM, CA	92807, USA
(Plant Address - Apt/Street)	(City, Prov)	(Postal Code)
do solemnly declare that the fittings listed hereinunde Vessel Safety Act (check one)	er, which are subject to the <b>Saska</b>	ntchewan Boiler and Pressure
Comply with the requirements of ASME B31.1		h specifies the dimensions,
(title of recogni Materials of construction, pressure / temperatu	zed North American Standard) Ire ratings and identification mark	ing of the fittings, or
Are not covered by the provisions of a recognize	zed North American standard and	are therefore manufactured
to comply with		as supported by the attached
data which identifies the dimensions, materials		
for such ratings, and the marking of the fittings		statute tearings and the basis
I further declare that the manufacturer of these fittings		program which has been
verified by the following authority, ISO 9001:2008 SQ		g suitable for the manufacturer
of these fittings to the stated standard. The fittings co		
CATEGORY F	overed by this declaration, for whi	ch i seek registration, are
In support of this application, the following information		re attached:
DRAWINGS, CALCULATIONS, REPORTS,	SCOPE OF CRN	4
II. Declaration		
	n Alex	
	n the	or
this day of	· · · · · · · · · · · · · · · · · · ·	
(print name)	Michael (Signature)	Jurosti
(Signature of Commissioner of Oaths)	C MEY! The	
III. Office Use Only		
To the best of my knowledge and belief, the application mee	ats the requirements of the Roller an	d Proceure Vessel Salaty Act and
CSA B51, Clause 4.2, and is accepted for registration in Ca	tegory	G Freesoure vesser safety ACT and
CSA- OF19699.56	MOX 30 2017	OCT : 03 - 2027
(Registration Number)	(Uate Registered MM DD YYYY)	OCT · 03 · 2027 (Expiry Date – MM DD YYYY)
	(For the Administrators Chief Inspector)	R. BARNES
		N 021 - 20 20 20 11 72 2

## 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.

County of Orange	CSA Croup
On September 8, 2017 before me, _	Laurel Boles
personally appeared Michael Youroski who proved to me on the basis of satisfiname(s)(s)are subscribed to the within he she/they executed the same in his/he	actory evidence to be the person(s) whose instrument and acknowledged to me that er/their authorized capacity(ies), and that by ent the person(s), or the entity upon behalf of
<del>-</del>	under the laws of the State of California that
the foregoing paragraph is true and cor	rect.  LAUREL BOLES
WITNESS my hand and official seal.	Commission No. 2180169 NOTARY PUBLIC-CALIFORNIA ORANGE COUNTY My Comm Expires JANUARY 16 2021
Notary Public Signature (No	otary Public Seal)
ADDITIONAL OPTIONAL INFORMATI	INSTRUCTIONS FOR COMPLETING THIS FORM
DESCRIPTION OF THE ATTACHED DOCUMENT	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
Saskatchewan Statutory Declaration	as the wording does not require the California notary to violate California notary law.
(Title or description of attached document)	<ul> <li>State and County information must be the State and County where the documen signer(s) personally appeared before the notary public for acknowledgment.</li> </ul>
Registration of Fittings (Title or description of attached document continued)	<ul> <li>Date of notarization must be the date that the signer(s) personally appeared which</li> </ul>
Number of Pages 1 Document Date 09/08/2017	<ul> <li>must also be the same date the acknowledgment is completed.</li> <li>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).</li> <li>Print the name(s) of document signer(s) who personally appear at the time of notarization.</li> </ul>
CAPACITY CLAIMED BY THE SIGNER	<ul> <li>Indicate the correct singular or plural forms by crossing off incorrect forms (i.e</li> </ul>
☑ Individual (s)	he/shc/they, is /are ) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
☐ Corporate Officer	<ul> <li>The notary seal impression must be clear and photographically reproducible.</li> <li>Impression must not cover text or lines. If seal impression smudges, re-seal if a</li> </ul>
(Title)	sufficient area permits, otherwise complete a different acknowledgment form.
☐ Partner(s)	<ul> <li>Signature of the notary public must match the signature on file with the office of the county clerk.</li> </ul>
☐ Attorney-in-Fact	<ul> <li>Additional information is not required but could help to ensure this</li> </ul>
☐ Trustee(s)	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.

State of California



345 Carlingview Drive Toronto, Ontano 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: myalcic@tssa.org 178 Rexdate Boulevard, Forento, UN Canada (VISVI) 183

# ENDRESS+HAUSER CONDUCTA INC.

4123 LA PALMA AVE. ANAHEIM, CA 92807, USA

# SCOPE OF CRN REGISTRATION

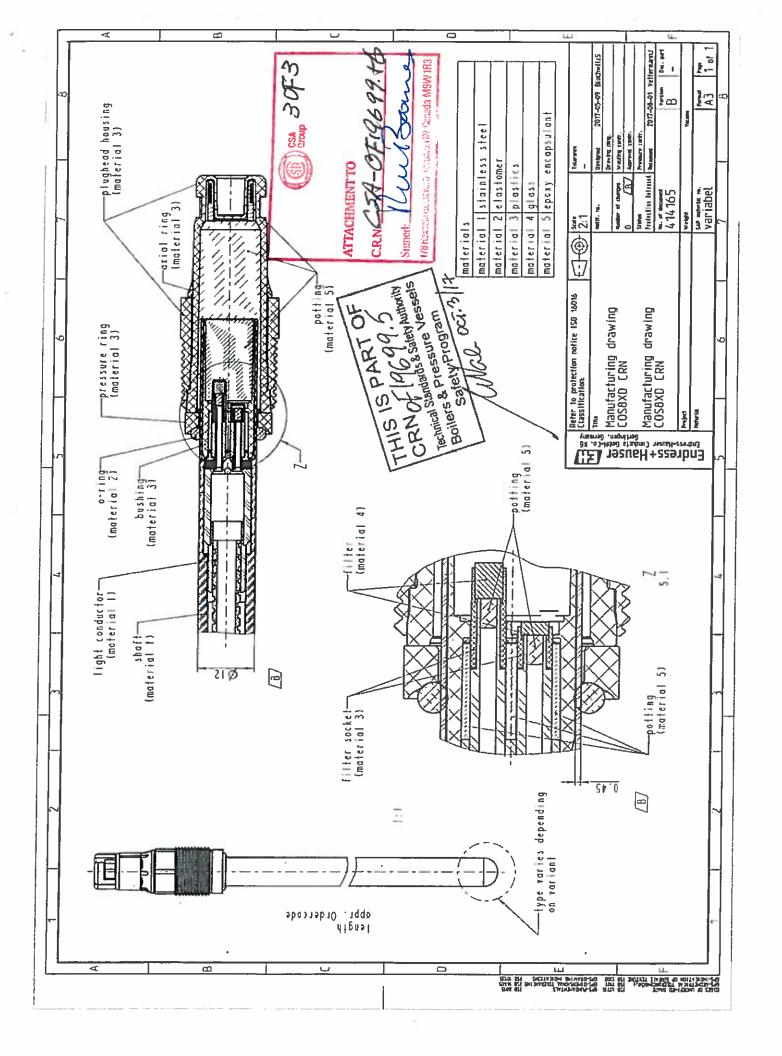
# PRODUCT DESCRIPTION

Description	Design Standard	End C	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	RATURE RATINGS		15 15 PAR 9.5	
MDMT	MAWP AT 230 F	MAWP AT 284 F	CRN Of (CSalety Authority)	E TO COME OF S
14F	188 psia	87 psia	Boilers & Program   Boilers & afety Program	
MATERIALS OF CONSTRUCTION	STRUCTION		Med of	ATTACHMENT TO
	STANE	STANDARD MATERIALS (NOTE 1)		John Janes
POLYPHEN	POLYPHENYLENE SULFIDE PLASTIC, ST	TIC, STAINLESS STEEL 1.443	FAINLESS STEEL 1.4435 TYPE 316L UNS S31603	179 Rexidate Bout Month Enronto, ON Canada M9W1R2

# MANUFACTURING LOCATIONS

Endress+Hauser Conducta	Endress+Hauser Conducta
70839 Gerlingen incl. manufacturing sites	215021 Suzhou. Endress+Hauser Analytical Instruments Suzhou Co. 14d
04736 Waldheim and 64823 Gross-Umstadt, Germany	P.R. China
Endress+Hauser Conducta	
4123 LA Palma Ave., Anaheim, CA	
92807, USA	

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





#### 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





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







### **Appendix**

Page 2 of 2 Reg.-no. 10705 Issue 01.04.2017



#### Endress+Hauser Conducta GmbH & Co. KG

#### Dieselstrasse 24 70839 Gerlingen Germany

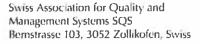
Central Function	Field of activity	Scope(s)	Norm/Revision	Reg. no.	Validity
Endress+Hauser Conducta GmbH & Co. kG Dieselstrasse 24 / Postfach 100-154 70839 Gerlingen Germany	Research and development, manufacturing and sales of measurement technology for liquid analysis	18, 19	ISO 9001:2015 ISO 14001:2015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

R. Glapiser, CEO SQS











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



March 2017

#### <u>CRN – Canadian Registration Numbers - Saskatchewan</u>

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

#### # 107 13

#### UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick Nunavut

11 10 1/100 OTMIN

Nova Scotla Yukon

Prince Edward Island Northwest Territories Newfoundland and Labrador

Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC.				
Manufacturers Address: 4123 LA PALMA AVE., ANAHEM, CA, USA, RZ807				
Plant Locations: Gerham, P.R. CHINA, USA	·			
Category of Fittings to be registered. Circle one Category only  A Pipe fittings, including couplings, tees, cibows, Ys, plugs, unloss, pipe caps, or reducers  B Flanges: all flanges	Title of the Standard of Construction			
C Valves: all line valves  D Expansion joints, flexible connections, and hose assemblies; all types	ASME B31.3			
É Strainers, filters, separators, and aleam trape	ASME B31.1			
(F) Mossuring 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	1			
bolicis, pressure vessels, piping and fusible plugs  H Pressure relaining components that do not fall into one of the above categories				
N Nuclear components: Class 1 🔾 Class 2 🖂 Class 3 🔾 (Meeting CNSC or ASME requirements)				
Show Manufacturers Name, Tradamark, or Logo as It will appear on the product  Endress + Hauser	Type of Construction Forged & Welded a Wrought & Cast & Other a Describe other:			
People for Process Automation				
List of supporting documentation and identification of the actual items to be registere	di .			
- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN	d:			
- DIVININGS, ONLOGENITIONS, INC. STATE, SESSION S. STATE	•			
	[			
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Labour & Advanced Education

09:10:37 a.m. 11-10-2017

11 /21

#### UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New	Brunswick
Nuns	n et

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	
Category of Fittings to be registered. Circle one Category only  A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers  B Flanges; all flanges	Title of the Standard of Construction
C Valves: all line valves	ASME B31.3
D Expansion joints, flexible connections, and hose assemblies: all types  E. Strainers, filters, separators, and steam traps	ASME B31.1
(F) Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters	
<ul> <li>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</li> <li>H Pressure retaining components that do not fall into one of the above categories</li> </ul>	;
N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	
Show Manufacturers Name, Trademark, or Logo as it will appear on the product	Type of Construction
Endress+Hauser <b>廷</b> 訂	Forged 8 Welded a Wrought 8 Cest 8 Other a Describe other:
People for Process Automation	
List of supporting documentation and identification of the actual items to be registered	<b>l</b>
Declaration:    MIKE YOURDSKI, QUALITY MANAGER (666 nots 3) employed by ENDRESS+HAUSER and	d being the person having full authority
and responsibility for the quality of the end product do solemnly declare that the information comy knowledge represents the product for which registration is sought. The dimensions, materizatings, and identification markings are in accordance with the herein named standards. I furtifittings is regulated by a Quality Control Program which extends to each plant where fabrication	ntained in this form is true to the best of als of construction, pressure temperature aer declare that the manufacture of these
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	s 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 Games!**	s 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:	s 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:  Declared before me at  This	s solemn declaration conscientiously
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believing it to be true, and knowing that it is of the same force and effect as if made under oath  Signature of Declarer:  Declared before me at  Day ofAD	s solemn declaration conscientiously  bace for the Official Seal

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:

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.

Quality Control programs shall be resubmitted for validation.

11/2018

Sect 1.0 - Fittings Rev.2

& REGULATI

**New Brunswick Nova Scotia** Prince Edward Island Newfoundland and Labrador Nunavut Yukon Northwest Territories Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC Manufacturers Address: 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807 Plant Locations; GERMANY, P.R. CHINA, USA Category of Fittings to be registered. Circle one Category only Title of the Standard of A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers Construction B Flanges: all flanges **ASME B31.3** C Valves: all line valves Expansion joints, flexible connections, and hose assemblies: all types **ASME B31.1** Strainers, filters, separators, and steam traps (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 ☐ Class 2 ☐ Class 3 ☐ , (Meeting CNSC or ASME requirements) Show Manufacturers Name, Trademark, or Logo as it will appear on the product Type of Construction Forged Welded □ Wrought ■ Cast 5 Other p Endress + Hauser Describe other: **People for Process Automation** List of supporting documentation and identification of the actual items to be registered: - DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN Declaration: (see note 3) employed by ENDRESS+HAUSER MIKE YOUROSKI, QUALITY MANAGER 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 sas (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: Declared before me at Use this space for the Official Seal AD This day of Commissioner of Oaths attached acknowledgment Or Notary Public: (sign) (Affix Official seal to the right) This space for Regulatory Authority use This registration must be revalidated after ten (10) year CRN: <u>0F19699.5</u> DEPT OF PUBLIC SAFETY BOILER & PRESSURE VESSEL ACT 14878 FID#: 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. EXAMINER Quality Control programs shall be resubmitted for validation. ECTORect 1.0 - Fittings Rev.2 CHIEF BOILER ING 11/2016

> DATE

**BLRs** 

FITTINGS COMPONENTS

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Newfoundland and Labrador
Manufacturers Name:	ENDRESS+HAUSER CONDUCTA		
	S; 4123 LA PALMA AVE., ANAHEU		
Plant Locations: GERMA	NY, P.R. CHINA, USA		
		Circle one Category only s, unions, pipe caps, or reducers	Title of the Standard of Construction
C Valves: all line valves			ASME B31.3
D Expansion joints, flexible E Strainers, filters, separate	connections, and hose assem	blies: all types	ASME B31.1
(F) Measuring devices, include	ling pressure gauges, level ga	uges, sight glasses, levels, or pressure	
transmitters  G Certified canacity-rated pr	essure relief devices acceptat	ele as primary over pressure protection on	
boilers, pressure vessels.	piping and fusible pluge	,	
H Pressure retaining compo	ments that do not fall into one	of the above categories	
		, (Meeting CNSC or ASME requirements	
Show Manufacturers Na	ime, Trademark, or Logo	as it will appear on the product	Type of Construction Forged & Welded p Wrought &
l	Endress+H	auser 🖅	Cast & Other p Describe other:
	People for Process		
List of supporting docu	mentation and identificat	ion of the actual items to be register	ed:
- DRAWINGS, CAL	CULATIONS, REPO	ORTS, SCOPE OF CRN	
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my knowledge represents tratings, and identification militaries is regulated by a Qu	rality of the end product do he product for which registr arkings are in accordance ality Control Program whic	solemnly declare that the information ration is sought. The dimensions, mat with the herein named standards. I fur h extends to each plant where fabricat	nd being the person having full authority contained in this form is true to the best of erials of construction, pressure temperature ther declare that the manufacture of these ion occurs in whole or in part and has been
verified by SCS (ISO 80012008)		psuitable for that purpose and I make the force and effect as if made under or	his solemn declaration conscientiously
•	Michael Yourse		44 1.
Declared before me at	1		
This day of	/ AD	Use this	space for the Official Seei
Commissioner of Oaths	7	1	
Or Notary Public: (sign)		<u>See</u> attached act	spouled t
-	(Affix Official seal to the right)		" Durie grien
and the second s		space for Regulatory Authority use.	A CONTRACTOR OF THE PROPERTY O
		validated after ten (10) years from the date	of acceptance.
CRN: 0F19699.5	-		Newformuland
FID#: 14878			Labrador
	•		Service NL
Notes:  1. All Fittings shall be registere	d in the name of the Manufacturer		Registered <i>0F/9699.50</i>
-	ported with two Statutory Declarati		Date
and one copy of supporting			Engineering and Inspection Services
<ol> <li>The Declaration shall be ma responsibility for the quality:</li> </ol>	de by the person having full author of the end product.	rity and	Registored by
	all be resubmitted for validation.		UNDER THE AUTHOR TY OF THE
			PUBLIC SAFSON ANT Fittings Rev 2
11/2016			THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS
CONTRACTOR OF THE PROPERTY OF			

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Newfoundland and Labrador
Manufacturers Na	Me: ENDRESS+HAUSER CONDUC	CTA INC.	
Manufacturers Add	<b>dress: 4123 la palm</b> a ave., anai		
Plant Locations: GE			
		red. Circle one Category only plugs, unions, pipe caps, or reducers	<u>Title of the Standard of Construction</u>
C Valves: all line valve			ASME B31.3
	oxible connections, and hose ass parators, and steam traps	semblies: all types	<b>ASME B31.1</b>
Measuring devices, in transmitters	including pressure gauges, level	el gauges, sight glasses, levels, or pressure	
bollers, pressure ves	ed pressure relief devices accep sels, piping and fusible plugs omponents that do not fall into o	ptable as primary over pressure protection on one of the above categories	
N Nuclear components	: Class 1 🗆 Class 2 🗎 Class	s 3 🗆 , (Meeting CNSC or ASME requirements	)
		go as it will appear on the product	Type of Construction
	Endress+	Hauser 🖾	Forged   Welded   Wrought   ECast   Wrought   Wrough
		cess Automation	
List of supporting d	ocumentation and identifi	cation of the actual items to be register	red:
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fittings is regulated by a verified by 808 (180 900120)	a Quality Control Program w	nce with the herein named standards. I ful which extends to each plant where fabricati eing sultable for that purpose and I make t same force and effect as if made under oa	rther declare that the manufacture of these ion occurs in whole or in part and has beer this solemn declaration conscientiously ath.
Signature of Declarer:	Michael yours		
Declared before me at _	· /		
Thistay o	ofAD _	Use this:	space for the Official Seal
Commissioner of Oaths			
Or Notary Public: (sign)		See attached ack	knowledgment
	(Affix Official seal to the rig		<u> </u>
		This space for Regulatory Authority use. e revalidated after ten (10) years from the date	of acceptance.
CRN: 0F19699	_		
FID#: 14878		(S	MMENT OF TO
Notes:	istared in the name of the Manufactu	(6)/E	10

CRN 0F19699.5Y

Sect 1.0 - Fittings Rev.2

responsibility for the quality of the end product.

4. Quality Control programs shall be resubmitted for validation.

and one copy of supporting documentation.

2. Each Category shall be supported with two Statutory Declaration forms

3. The Declaration shall be made by the person having full authority and

11/2016

New Brunswick Nunavut	Yukon	Northwest Territories	Newlockidiang and Cabrador
Honevar	, and,		
Manufacturers Name			All Value of the Control of the Cont
Manufacturers Addr		ANAHEIM, CA, USA, 92807	
Plant Locations: GERA		stered. Circle one Category only	Title of the Standard of
A Pipe fittings, including		Ys. plugs, unions, pipo caps, or reducers	Construction
B Flanges; all line valves C Valves; all line valves	,		ASME B31.3
D Expansion joints, fleedt		assemblies: all types	ASME B31.1
E Streiners, fillers, separt F) Measuring devices, inc	ators, and ateam (raps Juding pressure gauges, i	leval gauges, sight glasses, levels, or pressur	
transmitters		acceptable as primary over pressure protection	
bollers, pressure vosse	is, piping and fusible plug	<b>3</b> 5	1011
		nto one of the above categories .	
		Class 3 🔲 , (Meeting CNSC or ASME requirer	
Show Manufacturera	Name, Tradomark, or	Logo as it will appear on the product	Type of Construction Forged B Welded a Wrought B
	Endroce	+Hauser 🖅	Cast M Other D Describe other:
			Bootha Gold.
		Process Automation	7/81
		tilication of the actual items to be ma	ijatered:
- DRAWINGS, CA	ALCULATIONS, I	REPORTS, SCOPE OF CRN	
Declaration: MRE Yourdski, Quality Manak	GER (non-solo (N) d	employed by ENDRESS+HAUSER	and being the person having full authority
nd responsibility for the	quality of the end prod	luct do solemnly declare that the informa	tion contained in this form is true to the best of
y knowledge represents	the product for which	registration is sought. The dimensions,	materials of construction, pressure temperature
			I further declare that the manufacture of these incation occurs in whole or in part and has been
erified by sas (50 60012008)	25	s being auitable for that purpose and I m	eke this solemn declaration conscientiously
		he same force and effect as if made und	er oeth.
Ignature of Declarer:	Wiched you	est:	
eclared before me at	'		
nisday of	AI	DUse	this space for the Official Seal
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r Notary Public: (sign)	/	See attached a	acknowledgment
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		at be revalidated after ten (10) years from the	deteralisectation
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ID#: 14878		/ N	prihwest
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<ul> <li>Each Category shall be au and one copy of supporting</li> </ul>	pported with two Statutory D s documentation.		HE AUTHORITY OF
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. Quality Cantrol programs a	shalf be reaubmitted for valid	\	Sect/1.0 - Fittings Rov.2
11/2016		SIGNED	14/2012
		DATE	
		***	

11-14-17;04:23 ;From:

To:ACI Central ;8678730117

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Northwest Ten		ewfoundland and Labrador
Manufacturers Nan	16: ENDRESS+HAUSER CON	DUCTA INC.		
	ress: 4123 La Palma ave., A	ANAHEIM, CA, USA, 92807		
Plant Locations: GEF				
		tered. Circle one Cate 's, plugs, unions, pipe caps		Title of the Standard of Construction
C Valves: all line valves				ASME B31.3
D Expansion joints, flex E Strainers, filters, sepa	lble connections, and hose	assemblies: all types		ASME B31.1
Measuring devices, in	cluding pressure gauges, k	evel gauges, sight glasses,	levels, or pressure	
transmitters G Certified canacity-rate	d nossure relief devices as	cceptable as primary over p	ressure protection on	
boilers, pressure vess	els, piping and fusible plug		•	
	the same of the sa	lass 3 🗆 , (Meeting CNSC		T of Construction
Show Manufacturers	Name, Iragemark, or	Logo as it will appear	on the product	Type of Construction Forged  Welded  Wrought
	Endress+	Hauser 🛭	<b>3</b> .1	Cast B Other D Describe other:
	People for P	rocess Automation		
List of supporting documentation and identification of the actual items to be registered:				
- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN				
- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRIN				
Declaration:    MIKE YOURDSKI, 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 littings 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 (so so s				
Thisday of	f A		Use this s	pace for the Official Seal
Commissioner of Oaths		7		•
Or Notary Public: (sign)		/ See at	tached ack	nowledgment
5. (10.0.) , abile. (e.g)	(Affix Official seal to the	e right)		gment
A CONTROL OF THE PARTY OF THE P		This space for Regulator	y Authority use.	10
	This registration mus	t be revalidated after ten	Or years from the date of	of acceptance. AVU
CRN: 0F19699.	5		A COL	Boilers and
FID#: 14878			Notiaval	Pressure Vessels Act
Notes:	State Control of the			
	tered in the name of the Manu	facturer.	RE	GIS TERED
2. Each Category shall be a	supported with two Statutory D		CIN OF	19699.5N
and one copy of support		# # - # d	<u> </u>	
<ol><li>The Declaration shall be responsibility for the qual</li></ol>	made by the person having fu ity of the end product.	II authority and	Date VVV	10, 2017
• • • • • • • • • • • • • • • • • • • •	shall be resubmitted for valid	ation.	Signed /	arties 1
44/0040				Sect 1.0 - Fittings Rev 2
11/2016			<u> </u>	nief/Inspector



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				
, MIKE YOUROSKI, QUALITY MANAGER				
	nt, Plant Manager, Chief Engineer)			
of ENDRESS+HAUSER CONDUCTA INC.				
•	lanufacturer)			
Located at 4123 LA PALMA AVE., ANAHEIM, CA, USA, 928	07 1-714-577-5600			
(Plant Address)	(Telephone No.)	(Fax No.)		
do solemnly declare that the fittings listed hereunder, which are subject to the <i>Technical Standards and Safety Act</i> , Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3, ASME B31.1				
(Title of recognized Norway)  Which specifies the dimensions, materials of construction, press		the fittings and service:		
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	f		
the day ofAD 20 Commissioner for Oaths:	_See attached acknow	uledgment		
(Printed name)				
and a power and a position of the same	Michael Your	sh'		
(Signature)	(Signature of De	eclarer)		
To the best of my knowledge and belief, the application meets the receptation from the receptage of the standards and Safety Act, Boilers and Pressure Vessels CSA Standard B51 and is accepted for registration in Category  CRN:    OFIGE 99.59   Registered by:   Zabic Lack   Dated:   2018 / 8 / 18	rements of the Regulation, and F REG			
NOTE: This registration expires on	h7			

### 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.

On September 8, 2017 before me, _	
	(Here insert name and title of the officer)
personally appeared Michael Youroski	
who proved to me on the basis of satisf	actory evidence to be the person(s) whose
name(s)(s)are subscribed to the within	instrument and acknowledged to me that
	er/their authorized capacity(ies), and that by
	ent the person( <del>s</del> ), or the entity upon behalf of
	· · · · · · · · · · · · · · · · · · ·
which the person(s) acted, executed the	e instrument.
I certify under PENALTY OF PERJURY	under the laws of the State of California that
the foregoing paragraph is true and cor	
the loregoing paragraph is true and cor	***************************************
	LAUREL BOLES
WITNESS my hand and official seal.	Commission No. 2180169
10100	NOTARY PUBLIC-CALIFORNIA CORANGE COUNTY
Jan. Bol.	My Comm. Expires JANUARY 16, 2021
Convey Gods	Annual Dubling County
Notary Public Signature (No	otary Public Seal)
◆	INSTRUCTIONS FOR COMPLETING THIS FORM
ADDITIONAL OPTIONAL INFORMATI	This form complies with current California statutes regarding notary wording and
DESCRIPTION OF THE ATTACHED DOCUMENT	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
TSSA Statutory Declaration	law.
(Title or description of attached document)	State and County information must be the State and County where the document is a state and county where the docum
Registration of Fittings	<ul> <li>signer(s) personally appeared before the notary public for acknowledgment.</li> <li>Date of notarization must be the date that the signer(s) personally appeared which</li> </ul>
(Title or description of attached document continued)	must also be the same date the acknowledgment is completed.
Number of Pages 1 Document Date 09/08/2017	• The notary public must print his or her name as it appears within his or he
Produitible of Fages Boodinent Bate	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
24 × 1991 × 1 × 1991	notarization.
CAPACITY CLAIMED BY THE SIGNER	<ul> <li>Indicate the correct singular or plural forms by crossing off incorrect forms (i. he/she/they, is /are) or circling the correct forms. Failure to correctly indicate the</li> </ul>
☐ Individual (s)	information may lead to rejection of document recording.
☐ Corporate Officer	The notary seal impression must be clear and photographically reproducible
(T:40)	Impression must not cover text or lines. If seal impression smudges, re-seal if sufficient area permits, otherwise complete a different acknowledgment form.
(Title) □ Partner(s)	Signature of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature on file with the office of the notary public must match the signature of the notary public must match the no
1 ' '	the county clerk.
☐ Attorney-in-Fact ☐ Trustee(s)	Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
☐ Trustee(s) ☐ Other	* Indicate title or type of attached document, number of pages and date.
	❖ Indicate the capacity claimed by the signer. If the claimed capacity is
	corporate officer, indicate the title (i.e. CEO, CFO, Secretary).

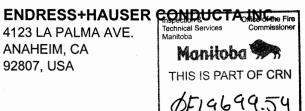
• Securely attach this document to the signed document with a staple.

State of California

County of Orange

07-Sep-17

4123 LA PALMA AVE. ANAHEIM, CA 92807, USA



#### **SCOPE OF CRN REGISTRATION**

PRODUCT DESCRIPTION

Description	Design Standard	End Connections	EH TI Document	
Memosens COS81D	ASME B31.3,	PG13.5	TI01201C/07/EN/01.15	
Oxygen Sensor	ASME B31.1	7 0 16.0		

#### 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	Endress+Hauser Conducta
70839 Gerlingen incl. manufacturing sites	215021 Suzhou, Endress+Hauser Analytical Instruments Suzhou Co. Ltd.
04736 Waldheim and 64823 Gross-Umstadt, Germany	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





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

Toll Free: 1-866-566-7233 www.technicalsafetybc.ca

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

NC

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 guestions. The invoice for registration will be forwarded under separate cover.

#### **SHARON PETERS**

boiler.designregistration@technicalsafetybc.ca Design Administration

cc:

#### **ENDRESS+HAUSER CONDUCTA INC.**

4123 LA PALMA AVE. ANAHEIM, CA 92807, USA

#### 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 THIS IS PAR 9.5				OF19694.51
MDMT	MAWP AT 230 F	MAWP AT 284 F	CRN 0 (969) Authority	Safety
14F	188 psia	87 psia	Boiler's & Presprogram 17 Non	authority and a second
MATERIALS OF CONSTRUCTION				10339
STANDARD MATERIALS (NOTE 1)			NOTES	
POLYPHENYLENE SULFIDE PLASTIC, STAINLESS STEEL 1.4435 TYPE 316L UNS S31603			None	

#### MANUFACTURING LOCATIONS

Endress+Hauser Conducta	Endress+Hauser Conducta
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04736 Waldheim and 64823 Gross-Umstadt, Germany	P.R. China
Endress+Hauser Conducta	
4123 LA Palma Ave., Anaheim, CA	
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