

August 21, 2024

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

The design submission, Tracking Number 2024-03957, Web Portal Number 2024-S2799, originally received on July 03, 2024 was surveyed and accepted for registration as follows:

CRN : 0F17062.52 **Accepted on:** August 21, 2024

Reg Type: RENEWAL **Expiry Date:** May 13, 2034

Drawing No. : SCOPE OF CRN REGISTRATION

Fitting type: OXYGEN SENSORS COS22/COS22D/COS22E

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

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

*** Design report: R-1949 Rev 0*

*** Drawing #: 400218-2415 Rev C*

*** See attached Worldwide Locations Appendix for a list of manufacturing locations*

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction are ASME B31.1 and ASME B31.3.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.

- 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 or AB-351 Declaration of Conformity 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, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, until that date.

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

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

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,





the pressure equipment safety authority

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

August 21, 2024

POON, ASHLING, P. Eng.
DOP Cert. No. D00007936



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 

STATUTORY DECLARATION Registration of Fittings

I, LEONARD AMBROSINI, GENERAL MANAGER

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ENDRESS+HAUSER CONDUCTA INC.

(Name of Manufacturer)

Located at SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX

(Plant Address)

1-714-577-5658

(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:9001:2015
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)

(Signature)

See attached
acknowledgment.

(Signature of Declarer)

08/24/2023

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: _____

Registered by: _____

Dated: 2024-08-21

NOTE: This registration expires on 2034-05-13

2024-03957

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: **CF17062 52**

See acceptance letter for
conditions of registration.

Date: **2024-08-21**

By:

ASHLING POON, P. Eng.
DOP: D00007936

This stamp and signature have been affixed electronically
to this registered design as required by Section 20(1) of
the Pressure Equipment Safety Regulation, in accordance
with the Electronic Transactions Act.

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 08/24/2023 before me, Laurel Boles,
(Here insert name and title of the officer)

personally appeared Leonard Ambrosini,
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.



Notary Public Signature

(Notary Public Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

TSSA Declaration Registration

(Title or description of attached document)

of Fittings

(Title or description of attached document continued)

Number of Pages 1 Document Date 08/24/2023

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

22-Nov-23



Page 1 of 1

SCOPE OF CRN REGISTRATION

Description	EH TI Document	Design Standard	Process Connections	Materials of Construction (Wetted)
Memosens COS22/COS22D/COS22E	TI01619C/07/EN/02.22-00, TI00446C/07/EN/04.15-00	ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101	PG13.5 Thread	FKM (Plastic), Stainless Steel 1.4435 (AISI 316L), Titanium, Hastelloy, Silicone

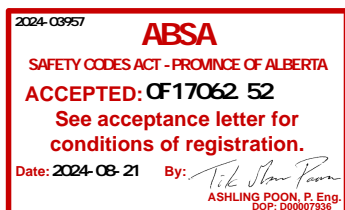
MAWP at 23°F	MAWP at 176°F	MAWP at 275°F	MDMT	Design Report
159 psig at 23°F (174 psi absolute at 23°F)	159 psig at 176°F (174 psi absolute at 176°F)	72 psig at 275°F (87 psi absolute at 275°F)	23°F	R-1949 Rev. 0

Note 1) MAWP = Maximum Allowable Working Pressure, MDMT = Minimum Design Metal Temperature.

Note 2) This CRN Registration covers COS22/COS22D/COS22E sensors. During the lifecycle of this product it may be necessary to update the sensor electronics that have no effect on the pressure retaining ability of the sensor. When this occurs the E in the product code will change to F which is the next letter in the alphabet. This process of updating the sensor electronics may occur multiple times during the lifecycle of this product and therefore as long as the pressure retaining components of the sensor do not change the applicable letter in the above product code has no effect on the validity of the CRN.

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

Note 4) See Attached List of Endress+Hauser Manufacturing locations applicable to this CRN.



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.



WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

**ENDRESS+HAUSER CONDUCTA GMBH & CO. KG LOCATIONS
& CERTIFYING AUTHORITIES**

(rev. June 17, 2020)

Endress+Hauser Conducta GmbH & Co. KG

Dieselstrasse 24 / Postfach 100 154
70839 Gerlingen
Germany
ISO 9001 Certified by SQS

Endress+Hauser Conducta GmbH & Co. KG

Siemensstraße 2
64823 Groß-Umstadt
Germany
ISO 9001 Certified by SQS

Endress+Hauser Conducta Waldheim

Gewerbegebiet Richzenhain
Landsberger Straße 28
04736 Waldheim
Germany
ISO 9001 Certified by SQS

Endress+Hauser Conducta, Inc.

4123 East La Palma Ave, Suite 200
Anaheim, CA 92807
United States of America
ISO 9001 Certified by SQS

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

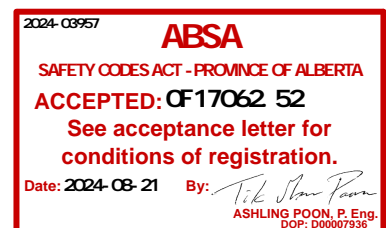
No. 31 JiangTianLiLu
Suzhou Industrial Park 215126
People's Republic of China
ISO 9001 Certified by SQS

THIS IS PART OF CRN

0F17062.5R1

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety
Program



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to this registered design as required by Section 20(1) of
the Pressure Equipment Safety Regulation, in accordance
with the Electronic Transactions Act.