

March 11, 2022

Attention: Scott Islip
ROUND ENGINEERING INC
10 SEGWUN ROAD
WATERDOWN, ON L8B 0K6

The design submission, tracking number 2022-00566, originally received on January 31, 2022 was surveyed and accepted for registration as follows:

CRN : 0F22152.2 **Accepted on:** March 11, 2022

Reg Type: NEW DESIGN **Expiry Date:** March 11, 2032

Drawing No. : Scope of CRN Registration As Noted

Fitting type: Pressure Sensor

Design registered in the name of : ENDRESS + HAUSER OPTICAL ANALYSIS INC

Description	MAWP	Design Temperature	MDMT
Internal Pressure	1200kPa	80 °C	-20 °C

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.

- 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 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 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.*

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 3306 or fax (780) 437-7787 or e-mail Wangi@absa.ca.

Sincerely,




WANG, IAN, P. Eng.
DOP Cert. No. D00009643

STATUTORY DECLARATION
Registration of Fittings
Single or Multiple Fitting Designs within one Fitting Category

I, Timo Kretzler, VP of Technology
(name of applicant) (position title) (must be in a position of authority)
of Endress+Hauser Optical Analysis, Inc.
(name of manufacturer)
located at 11027 Arrow Route, Rancho Cucamonga, CA, 91730, USA
(plant address)

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

Endress+Hauser 

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

- comply with the requirements of ASME B31.3, ASME B31.1 which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the (title of code of construction or other applicable document) attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Pressure Sensor	ISO 9001:2015	Design and Manufacture	2024-08-13	DQS Inc.	11027 Arrow Route, Rancho Cucamonga, CA, 91730, USA
2.						

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

Scope of CRN, Drawings, Reports

(Signature of the Declarer)

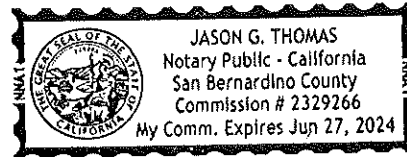
01/24/2022 (Date)

DECLARED before me at Rancho Cucamonga in the State of California (city) of California (province, territory, or state)

this 24th day of January, 2022 (Month) (Year)

(print) JASON G. THOMAS (a Commissioner of Oaths or Notary Public)

(sign) (Signature of Commissioner of Oaths or Notary Public)



June 27, 2024 (expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: state of California (province, territory, or state)

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, Part 1, Clause 4.2, and is accepted for registration in Category _____
CRN: _____
Registered Date: _____
Expiry Date: March 11, 2032
Signature: _____ (Signature of the Administrator/SCO)
The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

2022-00566 ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: OF 22152 2 See acceptance letter for conditions of registration. Date: 2022-03-11 By: IAN WANG, P. Eng. DOP: D00009643 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



SCOPE OF CRN REGISTRATION

Product Description	Drawing Numbers	Design Code	Process Connection	Material Specification	MAWP at MAWT	MDMT	Report Number
Digital Pressure Sensor	EX5500000004 Rev. D, 211015117 Rev. D, 211012470 Rev. G, 211015591 Rev. C	ASME B31.3, ASME B31.1, NACE MR 0175 / ISO 15156	G1/8"	ASTM A479-316L, ASTM A182-F316L	12 barg at 80°C / 174 psig at 176°F	-20°C / -4°F	R-1454A Rev. 0

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

Note 2: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

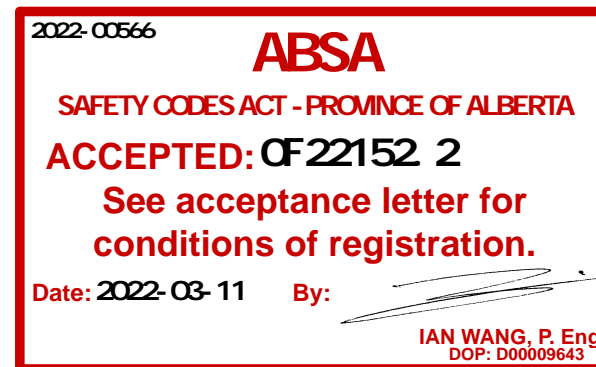
Note 3: In accordance with CSA B51 paragraph 4.2.5 Endress+Hauser Optical Analysis, Inc. is taking responsibility for the product covered under this CRN that is manufactured at:

Endress+Hauser SE+Co. KG

Hauptstrasse 1
79689 Maulburg, Germany
ISO 9001 Certified by SQS

Endress+Hauser (India) Automation Instrumentation Pvt. Ltd.

M-192, Waluj MIDC
Aurangabad – 431136,
Maharashtra State, India
ISO 9001 Certified by SQS



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.

Endress+Hauser Optical Analysis, Inc.

11027 ARROW ROUTE
RANCHO CUCAMONGA, CA
91730, USA

Endress + Hauser



29-Dec-21

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SCOPE OF CRN REGISTRATION CONTINUED

Endress+Hauser Yamanashi Co., Ltd.

862-1 Mitsukunugi
Sakaigawa-cho
Fuefuki-shi
406 0846 Yamanashi, Japan

ISO 9001 Certified by SQS

Endress+Hauser (USA)

Automation Instrumentation Inc.

2340 Endress Place
Greenwood, Indiana 46143, USA

ISO 9001 Certified by SQS

Endress+Hauser (Brazil)

Instrumentação e Automação Ltda.

Estrada Municipal Antonio Sesti
600 Bairro Recreio Costa Verde
Itatiba/SP – 13254-085, Brazil

ISO 9001 Certified by SQS

Endress+Hauser SE+Co. KG

Queremathe 2
14532 Stahnsdorf
Germany

ISO 9001 Certified by SQS

Endress+Hauser Optical Analysis, Inc.

11027 ARROW ROUTE
RANCHO CUCAMONGA, CA
91730, USA

Endress + Hauser



29-Dec-21

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SCOPE OF CRN REGISTRATION CONTINUED

Endress+Hauser (Suzhou) Automation Instrumentation Co. Ltd.

China – Singapore Suzhou Industrial Park (SIP)

Su Hong Zhong Lu No. 491

Jiangsu Province, 215021 Suzhou, P.R. China

ISO 9001 Certified by SQS