the pressure equipment safety authority

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

March 23, 2022

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

The design submission, tracking number 2022-01383, originally received on March 14, 2022 was surveyed and accepted for registration as follows:

CRN : 0H22188.2 **Accepted on:** March 23, 2022

Reg Type: NEW DESIGN **Expiry Date:** March 23, 2032

Drawing No. : 8300002041 sht.1-7, -10 Rev B

Fitting type: J22 TDLAS Gas Analyzer System

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

Description	MAWP	Design Temperature	MDMT
Internal Pressure	345kPa	80 °C	-20 °C

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

The registration is given based on the understanding that the fittings in the J22 TDLAS Gas Analyzer System have valid Alberta's CRNs and their pressure temperature ratings are suitable for the registered design conditions.
It is also out understanding that the system shall be hydrostaticaly tested at 75 PSI before it will be placed in an operation.

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 3310 or fax (780) 437-7787 or e-mail Onshchenko@absa.ca.

Sincerely,

Continued on the next page…

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March 23, 2022

ONSHCHENKO, TETYANA, P. Eng.
DOP Cert. No. D00010125

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

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

Endress+Hauser

I, Timo Kretzler (name of applicant), VP of Technology (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)

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 (title of recognized North American Standard) 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 _____ (title of code of construction or other applicable document) as supported by the 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.	J22 Analyzer System	ISO 9001:2015	Design and Manufacture	2024-08-13	DQS Inc.	11027 Arrow Route, Rancho Cucamonga, CA, 91730, USA
2.						

Tracking #: 2022-01383

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

Scope of CRN, Drawings, Reports

(Signature of the Declarer) 03/07/2022 (Date)

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

this 7th day of March (Month), 2022 (Year)

(print) Jason G. Thomas (a Commissioner of Oaths or Notary Public)

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

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

JASON G. THOMAS
Notary Public - California
San Bernardino County
Commission # 2329266
My Comm. Expires Jun 27, 2024

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:

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

2022-01383
ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0H22188.2
See acceptance letter for conditions of registration.
Date: 2022-03-23 By:
TETYANA ONSHCHENKO, P. Eng
DOP: D00010125

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.

Tracking #:

Endress+Hauser Optical Analysis, Inc.
11027 ARROW ROUTE
RANCHO CUCAMONGA, CA
91730, USA

02-Feb-22

SCOPE OF CRN REGISTRATION

Product Description	Drawing Numbers	Design Code	Tube Sizes	Tubing Material Specification	MAWP at MAWT	MDMT	Report Number
J22 TDLAS Gas Analyzer System	8300002041 Rev. B	ASME B31.3, ASME B31.1, NACE MR 0175 / ISO 15156	1/4"	ASTM A213 TP316L, ASTM A249 TP316L, ASTM A269 TP316L, ASTM A270 TP316L,	3.45 barg at 80°C / 50 psig at 176°F	-20°C / -4°F	R-1454B 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: Per CSA Table 1 Note (2)(B) the total volume of any configured panel assembly shall not exceed 1.5 cubic feet in volume.

Note 4: Low pressure components limited to operating pressure <= 103 kPa are not included in the Scope of the Registration.

ABSA TR.#2022-01383