

June 21, 2022

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

The design submission, tracking number 2022-03281, originally received on June 10, 2022 was surveyed and accepted for registration as follows:

CRN : 0H22437.2 **Accepted on:** June 21, 2022
Reg Type: NEW DESIGN **Expiry Date:** June 21, 2032
Drawing No. : 8300002043 sheet 1 to 4 Rev A2
Fitting type: J22 TGLAS Gas Analyzer
Design registered in the name of : ENDRESS + HAUSER OPTICAL ANALYSIS INC

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

- Acceptance is given based on the understanding that the pressure-temperature rating of all fittings used in this assembly must satisfy the assembly's design condition and have a valid Alberta CRN.
- It is our understanding that the fittings/assembly shall be pressure tested in accordance with the Code of construction prior to initial 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 3382 or fax (780) 437-7787 or e-mail Stojanovic@absa.ca.

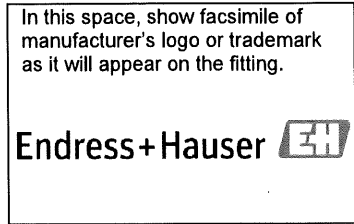
Sincerely,



STOJANOVIC, STEVAN, P. Eng.
DOP Cert. No. D00008849

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)



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.	J22 TDLAS Gas Analyzer	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

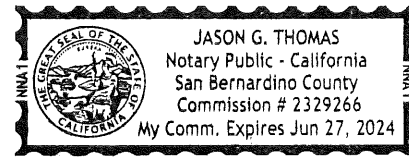
[Signature] (Signature of the Declarer)

06/06/2022 (Date)

DECLARED before me at Rancho Cucamonga in the State of California (city) of California (province, territory, or state) this 6th day of June, 2022 (Month) (Year)

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

(sign) [Signature] (a 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: _____
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

2022-03281 ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: CH22437. 2 See acceptance letter for conditions of registration. Date: 2022-06-21 By: [Signature] STEVAN STOJANOVIC, P. Eng DOP: D09008849 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

30-May-22

Endress+Hauser



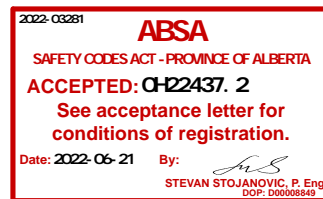
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SCOPE OF CRN REGISTRATION

Product Description	Drawing Numbers	Design Code	Process Connections	Material Specification	MAWP at MAWT	MDMT	Report Number
J22 TDLAS Gas Analyzer	8300002043 Rev. A.2	ASME B31.3, ASME B31.1, NACE MR 0175 / ISO 15156	1/8" NPT In, G1/8" Out, G1/8" Sensor	ASTM A479-316L, ASTM A240-316L, ASTM A276-316L, UV Grade Fused Silica	50 psig at 122°F, 45 psig at 140°F / 3.45 barg at 50°C, 3.10 barg at 60°C	-20°C / -4°F	R-1454C 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.



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.