

Montréal, 11 octobre 2022.

MADAME TANYA FRANCIS  
TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO ON  
CANADA M9W 6N9

Fabricant : ENDRESS+HAUSER OPTICAL ANALYSIS, INC  
11027 ARROW ROUTE  
RANCHO CUCAMONGA CA  
USA 91730

Numéro de dossier : 947230

Numéro(s) de dessin(s) : 8300002041 rev B 02-feb-22

**Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement**

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0H22188.26**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de l' *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Bureau d'expertise et d'homologation en équipements sous pression

**Montréal**

545, boul. Crémazie Est, 7ième étage

Montréal (Québec) H2M 2V2

Téléphone : 514 873-6459

Sans frais : 1 866 262-2084

[www.rbq.gouv.qc.ca](http://www.rbq.gouv.qc.ca)

Montréal, le 11 octobre 2022.

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OUR REFERENCE : 947230  
Design number : 8300002041 rev B 02-feb-22

**Subject: Design registration confirmation**

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0H22188.26**.

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each equipment manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

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Building Act (B-1.1)  
Regulation respecting pressure vessels (B-1.1, r. 6.1)  
Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the [www.rbq.gouv.qc.ca/fittings-pv](http://www.rbq.gouv.qc.ca/fittings-pv).

## 1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	J22 ANALYZER SYSTEM SCOPE OF CRN	
2	REPORTS	
3	DRAWINGS	
4	CALCULATIONS	
5	COMPANY LOGO - SEE RIGHT	

## 2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

### 2.1 Design

I, the undersigned, Timo Kretzler VP of Technology,  
(Name of the person in charge) (Title of the person in charge)  
 from Endress+Hauser Optical Analysis, Inc., located at 11027 Arrow Route, Rancho Cucamonga, CA, 91730, USA  
(Company's name) (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:


comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose or ASME B31.1, ASME B31.3

are not covered by the ANSI/ASME codes, but are in compliance with \_\_\_\_\_  
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

### 2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: ISO 9001:2015, and has been verified by DQS Inc.  
(Name of code) (Authorized agency)

Signature of the person in charge: 

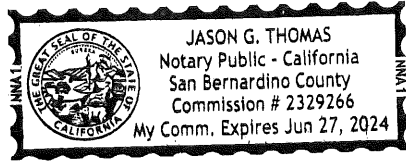
Date (yyyy-mm-dd): 2022-03-07

### 3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at Rancho Cucamonga, CA, USA, on 2022-03-22.  
(Location) (Date (yyyy-mm-dd))

Signature of commissioner for oaths:  Date (yyyy-mm-dd): 2022-03-22

Stamp the seal:



### 4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class \_\_\_\_\_.

This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.

Canadian registration number (CRN):

Registration date (yyyy-mm-dd):



#### Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

#### Sending the form

This declaration is necessary to submit an application for design registration. Design registration applications must be sent by email only to [enregistrementdesplans@rbq.gouv.qc.ca](mailto:enregistrementdesplans@rbq.gouv.qc.ca).

Documents must be in PDF format and in separate files.

# Endress+Hauser Optical Analysis, Inc.

11027 ARROW ROUTE  
RANCHO CUCAMONGA, CA  
91730, USA

02-Feb-22



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## 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  $\leq$  103 kPa are not included in the Scope of the Registration.

