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www.tssa.org

June 20, 2024

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14300593
Your Reference No.: R-2007
Registered to: ENDRESS+HAUSER OPTICAL ANALYSIS, INC.

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0H23982.25
Main Design No.: R-2007 Scope of Registration March 20, 2024
Expiry Date: Apr 04, 2034

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

Design registration completed under interprovincial agreement with jurisdictional check only

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

A handwritten signature in black ink, appearing to read "Shreyas Madhuranath", is written over a horizontal line.

Shreyas Madhuranath M.Eng, P.Eng
Engineer, BPV
Tel. : +1 416-734-3212
Email : smadhuranath@tssa.org



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 www.tssa.org

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, Dr. Florian Krogmann Vice President of Technology
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Endress+Hauser Optical Analysis, Inc.
(Name of Manufacturer)

Located at 11027 Arrow Route, Rancho Cucamonga, CA, 91730, USA
(Plant Address) (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, DQS Inc.

The items covered by this declaration, for which I seek registration, are category H - JT33 Analyzer System type fittings. In support of this application, the following information and/or test data are attached as follows:

SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS

(drawings, calculations, test reports, etc.)

Declared before me at _____ in the _____ of _____

the _____ day of _____ AD 20_____.

Commissioner for Oaths:

See Attached Notary Certificate

(Printed name)

(Signature)

(Signature of Declarer)

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 H.

CRN: _____

Registered by: _____

Dated: _____

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0H23982.25

Signed:

Date: June 20, 2024.

Design registration completed under interprovincial agreement with jurisdictional check only

NOTE: This registration expires on: Apr 04, 2034

**Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*

CALIFORNIA JURAT

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 San Bernardino }

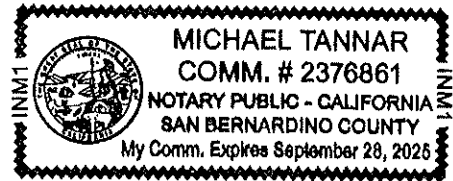
Subscribed and sworn to (or affirmed) before me on this 14th day of March, 2024
Date Month Year

by Florian Krogmann

Name of Signers

proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

Signature: 
Signature of Notary Public



Seal
Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent attachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Statutory Declaration Registration of Fittings

Document Date: _____

Number of Pages: 1

Signer(s) Other Than Named Above: _____

Endress+Hauser Optical Analysis, Inc.

11027 ARROW ROUTE
RANCHO CUCAMONGA, CA
91730, USA

THIS IS PART OF CRN
0H23982.25
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

20-Mar-24



PAGE 1 OF 1

SCOPE OF CRN REGISTRATION

Product Description	Drawing Number(s)	Design Code	Tube Sizes	Tubing Material Specification	MAWP at MAWT	MDMT	Report Number
JT33 Analyzer System	8300002044 Rev.A	ASME B31.3, ASME B31.1	1/8", 1/4"	ASTM A213 TP316L, ASTM A249 TP316L, ASTM A269 TP316L, ASTM A270 TP316L	6.89 barg at 60°C / 100 psig at 140°F	-20°C / -4°F	R-2007 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.