Technical Safety Authority of Saskatchewan

2202 2nd Avenue
Regina, SK S4R 1K3 Canada
1 (866) 530-8599
info@tsask.ca
www.tsask.ca

REGISTRATION OF A PRESSURE FITTING DESIGN

31-May-22

TSSA
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

Attention: Tanya Francis

File Number: 13094 [0 F]

Re: Manufacturer: **Endress+Hauser Optical Analysis, Inc.**
Item: **Pressure Sensor**
Catalog or Drawing: **Per Scope of Registration (29-Dec-21) & Design Report R-1454A Rev. 0**

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

0F22152.23 **Expiry Date: March 11, 2032**

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

Athan Syrgiannis, P.Eng.
Codes and Standards Compliance

Remarks:
A valid quality control program must be maintained at the production facilities for the fitting registration to remain valid until the expiry date.

Technical Safety Authority of Saskatchewan

2202 2nd Ave.
Regina, SK S4R 1K3
PH: (306)798-7112 Toll Free: (866)530-8599
FAX: (306)787-9273 Toll Free: (866)760-9255
Email: boilerpermits@tsask.ca
Website: www.tsask.ca

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Timo Kretzler

VP of Technology
(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: Endress+Hauser Optical Analysis, Inc.
(name of manufacturer)

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

Endress+Hauser

located at: 11027 Arrow Route, (Plant Address – Apt/Street) Rancho Cucamonga, CA, (City,Prov) 91730, USA (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the ***Saskatchewan Boiler and Pressure Vessel Safety Act*** (check one)

- (●) Comply with the requirements of ASME B31.3, 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 _____ as supported by the attached data which identifies the dimensions, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, DQS Inc. ISO 9001:2015 as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY F - PRESSURE SENSOR

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

SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS

II. Declaration

DECLARED before me at Rancho Cucamonga In the State of California

this 25th day of January, 2022

Timo Kretzler
(print name)

(Signature)

(Signature of Commissioner of Oaths)

JASON G. THOMAS
Notary Public - California
San Bernardino County
Commission # 2327266
My Comm. Expires Jun 27, 2024

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the ***Boiler and Pressure Vessel Safety Act*** and CSA B51, Clause 4.2, and is accepted for registration in Category _____

(Date Registered – MM DD YYYY) (Expiry Date – MM DD YYYY)
(For the Administrator / Chief Inspector)

Technical Safety Authority of Saskatchewan
Registration No. 0F22152.23
File No. 13094
Registered
Date: May 31, 2022
Expiry Date: March 11, 2032
Codes & Standards Compliance Office

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

29-Dec-21

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

Technical Safety Authority of Saskatchewan
Registration No. 0F22152.23
File No. 13094
Registered
Date: May 31, 2022
Expiry Date: March 11, 2032
Codes & Standards Compliance Office

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
Quermathe 2
14532 Stahnsdorf
Germany
ISO 9001 Certified by SQS

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