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www.tssa.org

June 23, 2016

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L0R 2H8
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 1885042
Your Reference No.: EH-CRN-17
Registered to: ENDRESS + HAUSER CONDUCTA 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 No.: 0F18550.5
Main Design No.: MEMOSENS CLS82D HYGIENIC CONDUCTIVITY SENSORS
Expiry Date: 23-Jun-2026

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

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, 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,

Zivko Gacevic P. Eng.
Mechanical Engineer, BPV
Tel.: 416-734-3429
Fax: 416-231-6183
Email: zgacevic@tssa.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

Endress+Hauser 
 People for Process Automation

STATUTORY DECLARATION
Registration of Fittings

I, MIKE YOUROSKI, QUALITY MANAGER
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ENDRESS+HAUSER CONDUCTA INC.
(Name of Manufacturer)

Located at 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807 1-714-577-5600
(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 VIII-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 9001:2008 which has been verified by the following authority, SQS

The items covered by this declaration, for which I seek registration, are category F Fittings type fittings. In support of this application, the following information and/or test data are attached as follows:
DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN

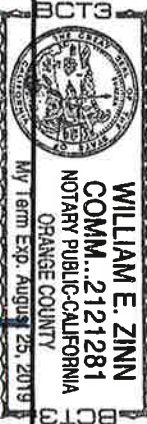
(drawings, calculations, test reports, etc.)

Declared before me at Anaheim in the County of Orange
 the 7 day of June AD 20 16.

Commissioner for Oaths:
William E. Zinn
(Printed name)

[Signature]
(Signature)

Mike Youroski
(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 "F".

Technical Standards and Safety Authority **Boilers and Pressure Vessels Safety Program**

CRN: OF18550.5

Registered by: Zivko Gacevic

Dated: JUN 23, 2016

NOTE: This registration expires on JUN 23, 2016

REGISTERED
 C.R.N.: OF18550.5
 Signed: Lucas Z...
 Date: JUN 23, 2016

PV 09553 (06/04)

Note: Please see the attachment for the scope of registration, z.g. 6/23/16

ACKNOWLEDGMENT

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 Orange

On June 7, 2016 before me, William E. Zinn, Notary Public
(insert name and title of the officer)

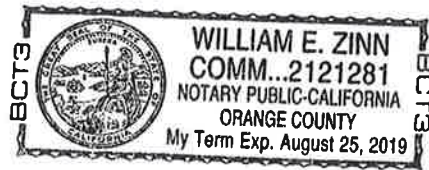
personally appeared Michael Youroski
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)



THIS IS PART OF
CRN OF 18550.5

Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

z. e. 6/27/16

ENDRESS+HAUSER CONDUCTA INC.
 4123 LA PALMA AVE.
 ANAHEIM, CA
 92807, USA



27-May-16

SCOPE OF CRN REGISTRATION

PRODUCT DESCRIPTION

Description	Design Standard	End Connections	Drawings	EH TI Document
Memosens CLS82D	ASME B31.3, ASME BPE, ASME VIII-1 UG-101(m)	1" NPT, G1", PG13.5, 1-1/2" and 2" ASME BPE, ISO2852, DIN 32676 Clamp Ferrule (Note 1)	403711-2415, 403712, 403150, 403159, 403168, 403170	TI01188C/07/EN/03.16

PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 68 F	MAWP AT 248 F	MAWP AT 284 F	NOTES
23F	247 psig	131 psig at 248 F	87 psig at 284 F	None

MATERIALS OF CONSTRUCTION

PROCESS ADAPTER MATERIAL (NOTE 2)	SENSOR SHELL MATERIAL	NOTES
POLYPHENYLENE SULFIDE PLASTIC, ASTM A479-316L, STAINLESS STEEL 1.4435 TYPE 316L, UNS S31603	POLYPHENYLENE SULFIDE PLASTIC, ASTM A479-316L, STAINLESS STEEL 1.4435 TYPE 316L, UNS S31603, CERAMIC	Optional process adapter materials may be used. See Note 2.

MANUFACTURING LOCATIONS

Endress+Hauser Conducta 70839 Gerlingen incl. manufacturing sites 04736 Waldheim and 64823 Gross-Umstadt, Germany	Endress+Hauser Conducta 215021 Suzhou, Endress+Hauser Analytical Instruments Suzhou Co. Ltd. P.R. China
Endress+Hauser Conducta 4123 LA Palma Ave., Anaheim, CA 92807, USA	

Note 1) The assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows: N06022, B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307); B381-F3, (Titanium Grade 3, UNS R50550) Note: Titanium limited to 247°F max