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www.tssa.org

January 24, 2018

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CA

Service Request Type.: BPV-National BC
Service Request No.: 2180114
Your Reference No.: EH-CRN-25
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0F19699.51.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org

TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON M9W 6N9

Date: November 17, 2017
Account #: 35231
Journal #: 69339

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2180114, for a Fitting is accepted for registration as follows:

Registered To: ENDRESS+HAUSER CONDUCTA CRN: 0F19699.51
INC

Drawing #: Report EH-CRN-25

Drawing Revision: 0

Conditions Of Registration:

Registration of MEMOSENS COS81D Oxygen Sensor per att'd scope sheets (2 pgs).

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

As required by CSA B51 4.2.1, this registration expires on October 03, 2027. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@technicalsaftybc.ca
Design Administration

cc:

ENDRESS+HAUSER CONDUCTA INC.

4123 LA PALMA AVE.

ANAHEIM, CA

92807, USA

07-Sep-17

SCOPE OF CRN REGISTRATION**PRODUCT DESCRIPTION**

Description	Design Standard	End Connections	EH TI Document
Memosens COS81D Oxygen Sensor	ASME B31.3, ASME B31.1	PG13.5	TI01201C/07/EN/01.15

PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 230 F	MAWP AT 284 F	NOTES
14F	188 psia	87 psia	None

MATERIALS OF CONSTRUCTION

STANDARD MATERIALS (NOTE 1)	NOTES
POLYPHENYLENE SULFIDE PLASTIC, STAINLESS STEEL 1.4435 TYPE 316L UNS S31603	None

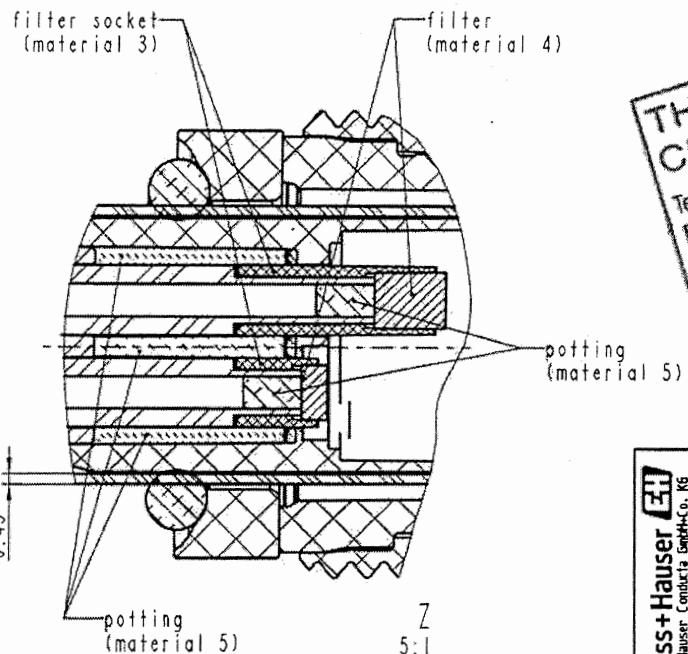
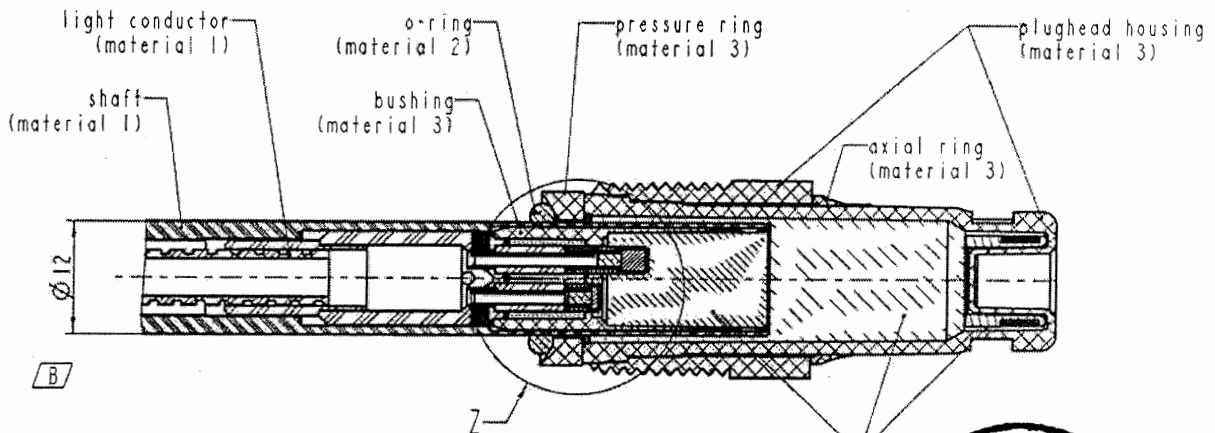
MANUFACTURING LOCATIONS

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	

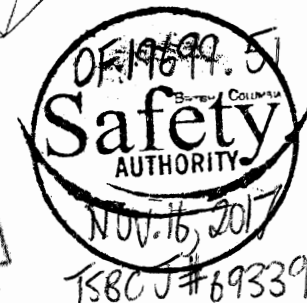
Note 1) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration:
Type 304 S.Steel UNS S30400, Type 304L S.Steel UNS S30403, Type 316 S.Steel UNS S31600, Type 316L S.Steel UNS S31603,
Alloy 20 UNS N08020, Hastelloy C-276 UNS N10276, Hastelloy C22 UNS N06022, Hastelloy B3 UNS N10676, Monel 400 UNS N04400
(Note Monel 400 limited to 100F max.), Inconel 600 UNS N06600, Inconel 625 UNS N06625, Inconel 825 UNS N08825, Duplex S.Steel UNS S31803,
Super Duplex UNS S32750, Super Duplex UNS S32760, Titanium Grade 3 UNS R50550 (Note Titanium limited to 247F max.)

length
appr. Ordercode



- type varies depending on variant



THIS IS PART OF
CRN 19699.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program
Val Oct. 3/17



materials	
material 1	stainless steel
material 2	elastomer
material 3	plastics
material 4	glass
material 5	epoxy encapsulant

 Endress+Hauser Conducta GmbH & Co. KG Gerlingen, Germany	Refer to protection notice ISO 16016		Scale 2:1		Tolerance —	
	Classification:		Metric no.		Designed 2017-05-09 BlochwitzS	
	Title		Number of changes 0		Drawing contr.	
	Manufacturing drawing COS8XD CRN		Welding contr.		Approval contr.	
	Manufacturing drawing COS8XD CRN		Status Production Released		Pressure contr.	
			Released 2017-08-01 VettermannJ			
	No. of document 414165	Version B	Doc. part —			
Project	Weight		Volume			
Material	SAP material no. variabel		Forecast A3	Page 1 of 1		