



345 Carlingview Drive  
Toronto, Ontario  
CANADA M9W 6N9  
Tel.: 416.734.3300  
Fax.: 416.231.1626  
Toll Free: 1.877.682.8772  
**[www.tssa.org](http://www.tssa.org)**

December 05, 2017

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

Service Request Type.: BPV-National AB  
Service Request No.: 2180568  
Your Reference No.: EH-CRN-27  
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from AB, registered under the CRN No.: 0F19698.52.

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](mailto: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](mailto:tfrancis@tssa.org)

November 16, 2017

**Attention:** Tanya Francis  
TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO, ON M9W 6N9

**Email:** tfrancis@tssa.org

The design submission, tracking number 2017-06817, originally received on October 27, 2017 was surveyed and accepted for registration as follows:

**CRN :** 0F19698.52

**Accepted on:** November 16, 2017

**Reg Type:** NEW DESIGN

**Expiry Date:** October 03, 2027

**Drawing No. :** CONDUMAX CLS16D/CLS16 As Noted

**Fitting type:** SENSOR

Design registered in the name of : ENDRESS + HAUSER CONDUCTA INC

Description	MAWP	Design Temperature
See scope for rating		

**The registration is conditional on your compliance with the following notes:**

*As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is SECTION VIII, DIV. 1.*

*This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*

*This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*

*Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

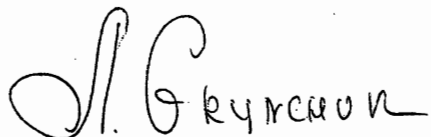
*For the boiler external piping only listed in B31.1 materials can be used.*

*This is manufacturer responsibility to advise to his clients prior to the sale of the sensors that the sensor can be installed only with clamps that have been registered in Alberta. The Manufacturer shall advise that the clamps rating shall match to the rating of the sensors and sensors hub geometry*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

Sincerely,



GRYNCHUK, MILLA, P. Eng.  
DOP Cert. No. D00005217

**STATUTORY DECLARATION  
Registration of Fittings**

I, MIKE YOUROSKI, QUALITY MANAGER  
(name of applicant) (position title) (must be in a position of authority)  
of ENDRESS+HAUSER CONDUCTA INC.  
(name of manufacturer)  
located at 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807  
(plant address)

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

**Endress+Hauser**   
People for Process Automation

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- ☒ comply with the requirements of ASME B31.3, ASME B31.1 which specifies the dimensions,  
(title of recognized North American Standard)  
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  
(title of code of construction or other applicable document)  
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 manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, SQS (ISO 9001:2008) as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

CATEGORY F

(brief description of fittings)

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

DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN

DECLARED before me at \_\_\_\_\_ in the \_\_\_\_\_ of \_\_\_\_\_  
(city) (province or state)  
this \_\_\_\_\_ day of \_\_\_\_\_,  
(Month) (Year)  
(print) \_\_\_\_\_  
(a Commissioner of Oaths or Notary Public)

(sign) See attached acknowledgment  
(a Commissioner of Oaths or Notary Public)

Michael Youroski  
(signature of applicant)

**For ABSA Office Use Only:**

NOTES: \_\_\_\_\_

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category F

Registration Number: **OF 19698.52**

Crymchuk  
(Signature of the Administrator/SCO)

Date Registered: **NOV 16 2017**

Expiry Date: **2017 Oct. 03**

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.

# CALIFORNIA ALL- PURPOSE CERTIFICATE OF 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 September 8, 2017 before me, Laurel Boles,  
(Here insert name and title of the officer)

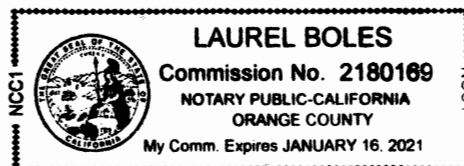
personally appeared Michael Youroski,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose  
name(s) (s) are subscribed to the within instrument and acknowledged to me that  
he she/they executed the same in his her/their authorized capacity(ies), and that by  
his her/their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

Laurel Boles  
Notary Public Signature

(Notary Public Seal)



## ADDITIONAL OPTIONAL INFORMATION

### DESCRIPTION OF THE ATTACHED DOCUMENT

Alberta Statutory Declaration

(Title or description of attached document)

Registration of Fittings

(Title or description of attached document continued)

Number of Pages 1 Document Date 09/08/2017

### CAPACITY CLAIMED BY THE SIGNER

- ☒ Individual (s)  
☐ Corporate Officer

(Title)

- ☐ Partner(s)  
☐ Attorney-in-Fact  
☐ Trustee(s)  
☐ Other \_\_\_\_\_

## INSTRUCTIONS FOR COMPLETING THIS FORM

*This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/~~they~~, is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - ❖ Indicate title or type of attached document, number of pages and date.
  - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

**ENDRESS+HAUSER CONDUCTA INC.**

4123 LA PALMA AVE.

ANAHEIM, CA

92807, USA

13-Sep-17

**SCOPE OF CRN REGISTRATION****PRODUCT DESCRIPTION**

Description	Design Standard	End Connections	Drawings	EH TI Document
CONDUMAX CLS16D/CLS16	ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101	1", 1-1/2" and 2" ASME BPE, ISO2852, DIN 3276 Ferrule ( <b>Note 1</b> ), DN50 Varivent ( <b>Note</b> <b>1</b> ), BioControl D50	414105, 414113, 134267-0002, 134267-0003, 134267-0004, 134267- 0005	T100227C/07/EN/15.14 SAFETY CODES ACT - PROVINCE OF ALBERTA

**PRESSURE - TEMPERATURE RATINGS**

MDMT	MAWP AT 68 F	MAWP AT 248 F	MAWP AT 302 F	
23F	188 psia	130 psia	87 psia	It is recommended that the sensor be subjected to sterilization at 302F for only a short time (45 minutes approximately).

**MATERIALS OF CONSTRUCTION**

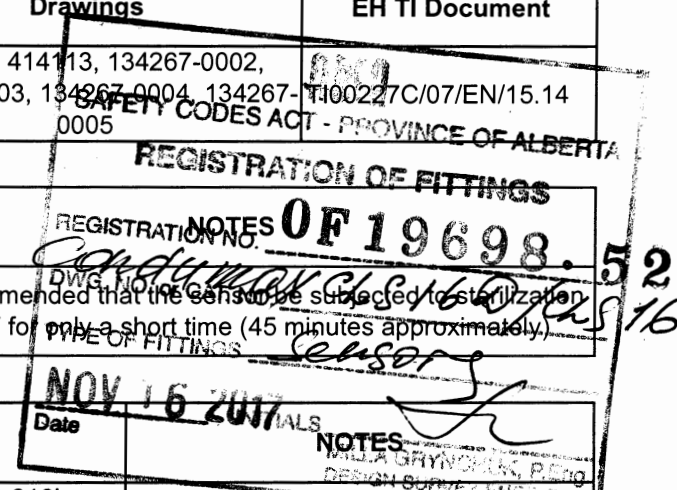
PROCESS HOUSING MATERIAL (NOTE 2)	SENSOR SHELL MATERIAL	
STAINLESS STEEL 1.4435 TYPE 316L UNS S31603	POLYPHENYLENE SULFIDE PLASTIC, ASTM A479-316L, STAINLESS STEEL 1.4435 TYPE 316L, UNS S31603, ELASTOMERS	Optional process housing materials may be used. See Note 2.

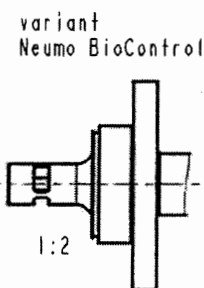
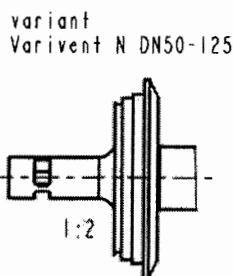
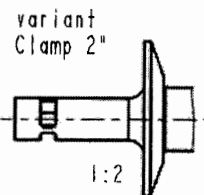
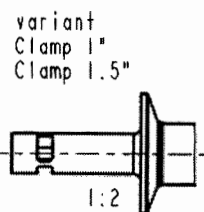
**MANUFACTURING LOCATIONS**

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 ASME BPE Ferrule and Varivent connection shall be used with a clamp, however the assembly clamp is not part of this CRN. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. The clamp used to complete the joint shall have its own CRN and shall have pressure-temperature ratings the same or higher than the product ratings.

**Note 2)** 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.)





outer electrode  
(material 1)

form gasket  
(material 3)

isolation body  
(material 2)

distance disc  
(material 2)

housing  
(material 1)

O-ring  
(material 3)

housing  
(material 2)

inner electrode  
(material 1)

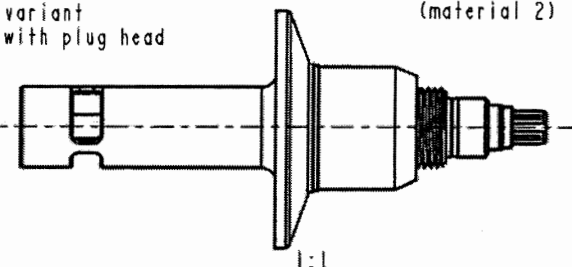
contact disc  
(material 1)

shaft  
(material 2)

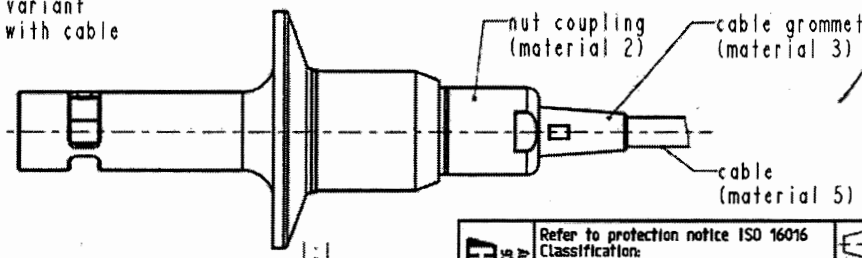
gasket  
(material 3)

potting  
(material 4)

variant  
with plug head



variant  
with cable



nut coupling  
(material 2)

cable grommet  
(material 3)

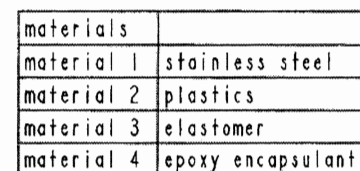
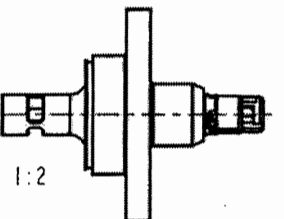
cable  
(material 5)




THIS IS PART OF  
CRN OF 19698.5  
Technical Standards & Safety Authority  
Boilers & Pressure Vessels  
Safety Program  
*Ullrich 02.3/17*

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

<b>Endress+Hauser</b> <small>Endress+Hauser Conducta GmbH Co. KG          68309 Datteln, Germany</small>	Refer to protection notice ISO 16016 Classification:	Scale 2:1	Tolerance -	
	Title manufacturing drawing CLS16 CRN	Werkz. no.	Designed 2017-05-05 BlochwitzS	
	manufacturing drawing CLS16 CRN	Number of changes 0	Drawing chng. Welding contr. Approval contr.	
	Project	Status Released	Pressure contr. Released 2017-05-18 SerflingA	
	Material	No. of document 414105	Version A	Doc. part -
		Weight	Volume	
		SAP material no. variabel	Formst A3	Page 1 of 1

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 <b>Endress+Hauser</b> Conducta GmbH & Co. KG Serflingen, Germany	Refer to protection notice ISO 16016			Scale	2:1	Tolerance	...		
	Classification:			Refit. no.	Designed	2017-05-05 Blochwitz			
	Title		manufacturing drawing CLS16D CRN	Number of changes 0 	Drawing chap.				
					Welding contr.				
	manufacturing drawing CLS16D CRN				Approval contr.				
					Pressure contr.				
				Status	Released	2017-05-18 Serflinga			
				No. of document	414113	Version	A	Doc. part	-
	Project			Weight	Volume				
	Material			SAP material no.	variant	Formid	A3	Page	1 of 1

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COPIES OF UNOPENED SHIP	150	13715	695-ANNUALS	150	13016
695-GENEALOGICAL YEARBOOK	150	13701	695-GENEALOGICAL YEARBOOK	150	13015
695-INDICATION OF SURFACE TEXTURE	150	13002	695-DAY 186 INDICATIONS	150	13013