

Certificate of Compliance

Certificate: 70220753 Master Contract: 205557

Project: 70220753 **Date Issued:** 2020-11-09

Issued To: Endress+Hauser Conducta GmbH & Co. KG

Dieselstraße 24

Gerlingen, Baden-Württemberg, 70839

Germany

Attention: Marco Rottmann

The products listed below are eligible to bear the CSA Mark shown with adjacent indicator 'US'



Issued by: Peter Do Peter Do

PRODUCTS

CLASS 2258 83 - PROCESS CONTROL EQUIPMENT – Intrinsically Safe and Non-Incendive

Systems – For Hazardous Locations – Certified to U.S. Standards

Class I, Division 2, Groups A, B, C and D T6; IP67/IP68;

• Oxymax COS61D-aa-bb-c-d+ee-ff-gg-hh oxygen sensor for liquid analysis, connected to transmitter CM44x(R) with a maximum cable length of 100m with type ITC/PLTC cable; temperature code, -20°C ≤ Ta ≤ 60°C; rated 24 Vdc, 15mA;

Order Codes:

COS61D-aa-bb-c-d+ee-ff-gg-hh

aa **Approval:**

CJ CSA US NI Cl. 1 Div. 2 GP A-D T6

bb Application/ Measuring Range (not ex-relevant)

A1 Oxygen 0... 20 mg/l

Y9 Special version



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c		Sensor adaption (not ex-relevant)		
	A	Fixed Cable; crimp sleeves		
	В	Fixed Cable; M12 plug		
	Y	Special version		
d		Cable length (not ex-relevant)		
	2	3 m		
	3	7 m		
	4	15 m		
	7	m length		
	8	ft length		
	9	Special construction		
ee	Accessories, mounted (not ex-relevant)			
	IA	Air cleaning; 6 or 8 mm		
	IB	Air cleaning; 6.35 mm (1/4")		
	I9	Special construction		
ff		Test, certificate, declaration (not ex-relevant)		
	K9	Special construction		
gg		Sealing material (not ex-relevant)		
	T9	Special construction		
hh		Marking (not ex-relevant)		
	Z 1	Measuring site (TAG)		

Note: The final installation shall assure that the metallic sensor body is bonded to ground, as necessary.

Conditions of Acceptability:

- 1. Warnings and installation instructions shall be followed as stated in control drawing 211050778.
- 2. The digital sensors with cable (Type ITC/PLTC maximum cable length 100m) shall be connected to the CM44x(R) Liquiline transmitter as per instructions in the control drawing 211050778.
- 3. Installation of fixed cable sensors shall be as per document BA00460CEN

APPLICABLE REQUIREMENTS

ANSI/UL 61010-1, 3 rd Ed.	Electrical Equipment for Measurement, Control, and Laboratory Use,
	Part 1: General Requirements
ANSI/UL 121201-2017	Non-Incendive Electrical Equipment for Use in Class I and II,
	Division 2, and Class III Hazardous (Classified) Locations
ANSI/IEC 60529, Edition 2.2.	Degrees of protection provided by enclosures (IP Code)
2013-08	



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MARKINGS

The manufacturer is required to apply the following markings:

• Products shall be marked with the markings specified by the particular product standard.

Additional markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent 'US' indicator for US only (indicating that products have been manufactured to the requirements of U.S. Standards).

Method of Marking

Markings are etched directly onto the housing using laser printing same as for other sensors approved under CSA report 80021719

Refer to drawing # COS61D NP CSZ-Ex for the sensors name plate details.

- Manufacturer's name: "Endress+Hauser", or CSA Master Contract Number "205557", adjacent to the CSA Mark in lieu of manufacturer's name.
- Model designation: As specified in the PRODUCTS section, above.
- Electrical ratings: 24 Vdc, 15mA;
- Ambient temperature rating : -20° C \leq Ta \leq 60°C.
- Manufacturing date in MMYY format, or serial number, traceable to year and month of manufacture.
- Enclosure ratings: **IP67/IP68**
- The products listed are eligible to bear the CSA Mark shown with adjacent indicators with adjacent indicator



'US' for US only, US

- Hazardous Location designation: Class I, Division 2, Groups A, B, C, and D
- Temperature code: **T6**
- The following words:
 - o "Install per drawing 211050778."

The following additional markings are required to appear on the product:

- 1. Marking on the unit that indicates the manufacturing location if the equipment is manufactured at more than one factory location. Model designation;
- 2. Date of manufacture: Month and year of manufacture or date code. If a serial number is used instead of date of manufacture, a record of serial numbers shall be kept traceable to date of manufacture. (Not related to date of sale).
- 3. Warnings



Supplement to Certificate of Compliance

Certificate: 70220753 Master Contract: 205557

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
00070220753	2020-11-09	Original Certification of new Oxymax sensor model COS61D for Class I Div. 2, Grps ABCD, T6 to be used with Liquiline transmitter CM44x(R).

