



Certificate: 70220753

Master Contract: 205557

Project: 80231048

Date Issued: 2024-11-01

| | | |
|----|----|---|
| | B | 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) |
| | Z1 | 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

UL 61010-1 (Third Edition) - UL Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements

UL 121201:2017 - Ninth Edition - UL Standard for Safety Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations



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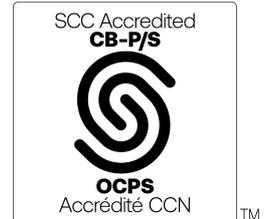
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Notes:

Products certified under Class(es) C225883 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*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 |
|----------------|-------------|--|
| 80231048 | 2024-11-01 | The scope of this project is to address the editorial findings recorded in FIR (FC# 269534) dated June 10, 2024 |
| 70220753 | 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). |

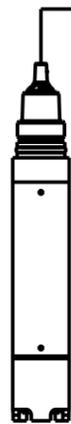
Hazardous location
 NI Class I Division 2,
 Groups A, B, C, D T6

Hazardous location
 NI Class I Division 2,
 Groups A, B, C, D T4A

Non hazardous location

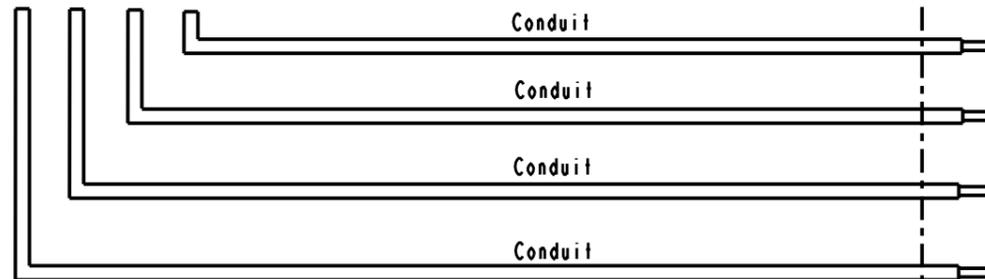
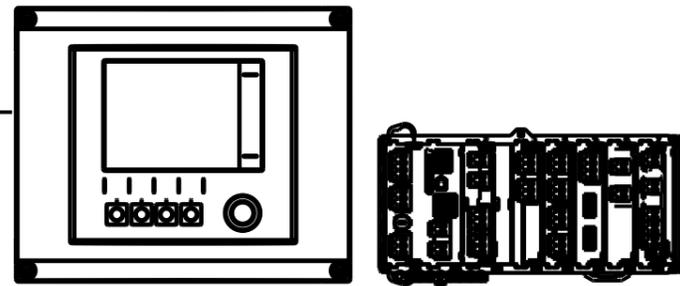
For USA: Cable type ITC

Measurement transmitter CM44x or CM44xR (x = 2, 4 or 8)



Install per NEC501

Sensor terminals
 85-86 and 97-98



Power supply 100... 230 V AC or 24 V AC/DC

Relay 230 V AC or 24 V DC

Digital/ analog input/ output 0/4 mA... 20 mA
 Communication (Ethernet/ Fieldbus/ RS485)

Fixed cable sensors with Memosens protocol,
 max. cable length 100 m (330 ft), including,
 but not limited to, the following sensor types:
 CAS51D (Nitrate)
 CUS51D (Turbidity)

COS61D

Class I Division 2
 Groups A-D, T6, Type IP67/IP68

For hazardous locations use Class I Div 2 approved and
 labelled measurement transmitter CM44x or CM44xR
 (x = 2, 4 or 8)



WARNING: EXPLOSION HAZARD - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR USE IN CLASS I DIVISION 2.
WARNING: EXPLOSION HAZARD - DO NOT DISCONNECT WHILE THE CIRCUIT IS LIVE OR UNLESS THE AREA IS FREE OF IGNITIBLE CONCENTRATIONS.

WARNING: EXPLOSION HAZARD - DO NOT SERVICE ELECTRICAL CONNECTIONS UNLESS POWER HAS BEEN DISCONNECTED OR THE AREA IS KNOWN TO BE FREE OF IGNITIBLE CONCENTRATIONS OF FLAMMABLE GASES OR VAPORS.

NOTE: THE FINAL INSTALLATION SHALL ASSURE THAT THE METALLIC SENSOR BODY IS BONDED TO GROUND; AS NECESSARY

B

| | | | | | |
|--|--|----------|------------------------------|------------------------------|---|
| Endress+Hauser Endress+Hauser Conducta GmbH+Co. KG 70839 Gerlingen, Germany | Refer to protection notice ISO 16016 Classification | internal | | Scale 1:5 | Tolerance - |
| | Control Drawing COS61D CSA | | | Notif. no. 0 | Designed 06.11.2019 BlochwitzS Drawing chng. 04.01.2021 BLOCHWITZS |
| | Control Drawing COS61D CSA | | | Number of changes 1 | Welding contr. Approval contr. |
| | 434199 | | | Status Released | Pressure contr. Released 04.01.2021 HOEHNET |
| | Material - | | | No. of document 211050778 | Version B |
| | | | Weight | Doc. part 000 | |
| | | | SAP material no. 71094592 | Format DIN A3 | Sheet 1/1 |

ISO 13715 GPS-FUNDAMENTALS ISO 8015
 ISO 1101 GPS-DIMENSIONAL TOLERANCING ISO 14405
 ISO 1302 GPS-DRAWING INDICATIONS ISO 10135
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