

EX CERTIFICATE – cCSAus

vibro-meter®

cCSAus 1636189

for

**CP23x dynamic pressure sensors
(piezoelectric pressure sensors)**



Note: Although the Ex certificate may be included in more than one language, the liability of the notified body applies only on the text of the original copy of the certificate that it published.

Document reference cCSAus 1636189
Edition 5 – September 2025

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Certificate: 1636189
Project: 80236657
Master Contract: 175074
Date Issued: 2025-08-12

Model(s)	Voltage (VDC max)	Maximum Working Pressure
Type 143-23X-000-YYY	30	25 bar

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards

Ambient temperatures are as follows :

- * -200°C/ / + 550°C for sensor and cable
- * 200°C/.../ +550°C for sensor with high temperature VM connector
- * -65°C/ / + 150°C for LEMO connector Type 0 or equivalent

The relation between maximum ambient temperature and temperature class is as follows for all devices, taking into account the above mentioned temperature ranges:

Maximum ambient temperature: Ta<=440 °C for T1

Ta<=290 °C for T2

Ta<=190 °C for T3

Ta<=125 °C for T4

Ta<=80 °C for T5

Ta<=75 °C for T6

For maximum temperatures above ambient of 440°C the temperature code is the process temperature plus 10K.

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Conditions of acceptability:

Equipment shall be powered from Class 2 or limited energy supply according to requirements of CAN/CSA Std C22.2 No. 61010-1:12 or UL 61010-1 3rd edition

CLASS 1, Division 1, Groups A, B, C and D T6 to T1

Model(s)	Type 143-23X-000-YYY
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CLASS 2258 04 – PROCESS CONTROL EQUIPMENT- Intrinsically Safe Entity - For Hazardous Locations
CLASS 2258 84 – PROCESS CONTROL EQUIPMENT- Intrinsically Safe Entity - For Hazardous Locations Certified for US Standards



Certificate of Compliance

Certificate: 1636189
Project: 80236657
Issued to: Meggitt SA
Rte de Moncor 4
Villars-sur-Glane, Fribourg
1752
Switzerland
Master Contract: 175074
Date Issued: 2025-08-12
Issued by: Konstantin Rybulko
Konstantin Rybulko
Attention: Alain Pauli

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



PRODUCTS

Class 2258 02 PROCESS CONTROL EQUIPMENT - For Hazardous Locations
Class 2258 04 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations
Class 2258 82 PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards
Class 2258 84 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - Certified to US Standards

Class 1 Division 2 Group A, B, C, D

Ex nA IIC T6 to T1 Gc

Class 1 Zone 2 AEx nA IIC T6 to T1 Gc

Dynamic Pressure Sensor



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Notes:

Products certified under Class(es) C225802, C225804, C225882, C225884 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC), www.scc.ca.



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Ratings: V_{oc}≤30 Vdc, I_{sc}≤110 mA, C_i=16nF with 5 meters of integral cable, L_i=0 mH

Ambient temperatures are as follows:

- * -200°C / + 500°C for sensor and cable
- * -200°C / + 550°C for sensor with high temperature VM connector
- * -65°C / + 150°C for LEMO connector Type 0 or equivalent

The relation between maximum ambient temperature and temperature class is as follows for all devices, taking into account the above mentioned temperature ranges:

Temperature codes are as follows: Ta<+40 °C for T1
Ta<+20 °C for T2
Ta<+190 °C for T3
Ta<+125 °C for T4
Ta<+80 °C for T5
Ta<+75 °C for T6

For maximum temperatures above ambient of 40°C the temperature code is the process temperature plus 10K.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 60079-019 (R2024) - Explosive atmospheres — Part 0: Equipment — General requirements

CAN/CSA C22.2 No. 60079-15:12 - First Edition - Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection 't' electrical apparatus.

ANSI/ISA 60079-0209 (Fifth Edition) - Explosive atmospheres — Part 0: Equipment — General Requirements - 12.00.01

ANSI/ISA 60079-15 (12.12.02) - 2012 - Fourth Edition - Explosive atmospheres — Part 15: Equipment protection by type of protection 't'

CAN/CSA C22.2 No. 60079-11:14 - Second Edition - Explosive atmospheres - Part 11: Equipment protection by intrinsic safety 'i'

CAN/CSA C22.2 No. 61010-1-12 - Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements

UL 913(Sixth Edition) - Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations

CSA C22.2 No. 213-17 - Third Edition - Including Update No. 3: April 2021 - Nonincendive electrical equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 hazardous (classified) locations

ANSI/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

UL 61010C-1 - Process Control Equipment



Supplement to Certificate of Compliance

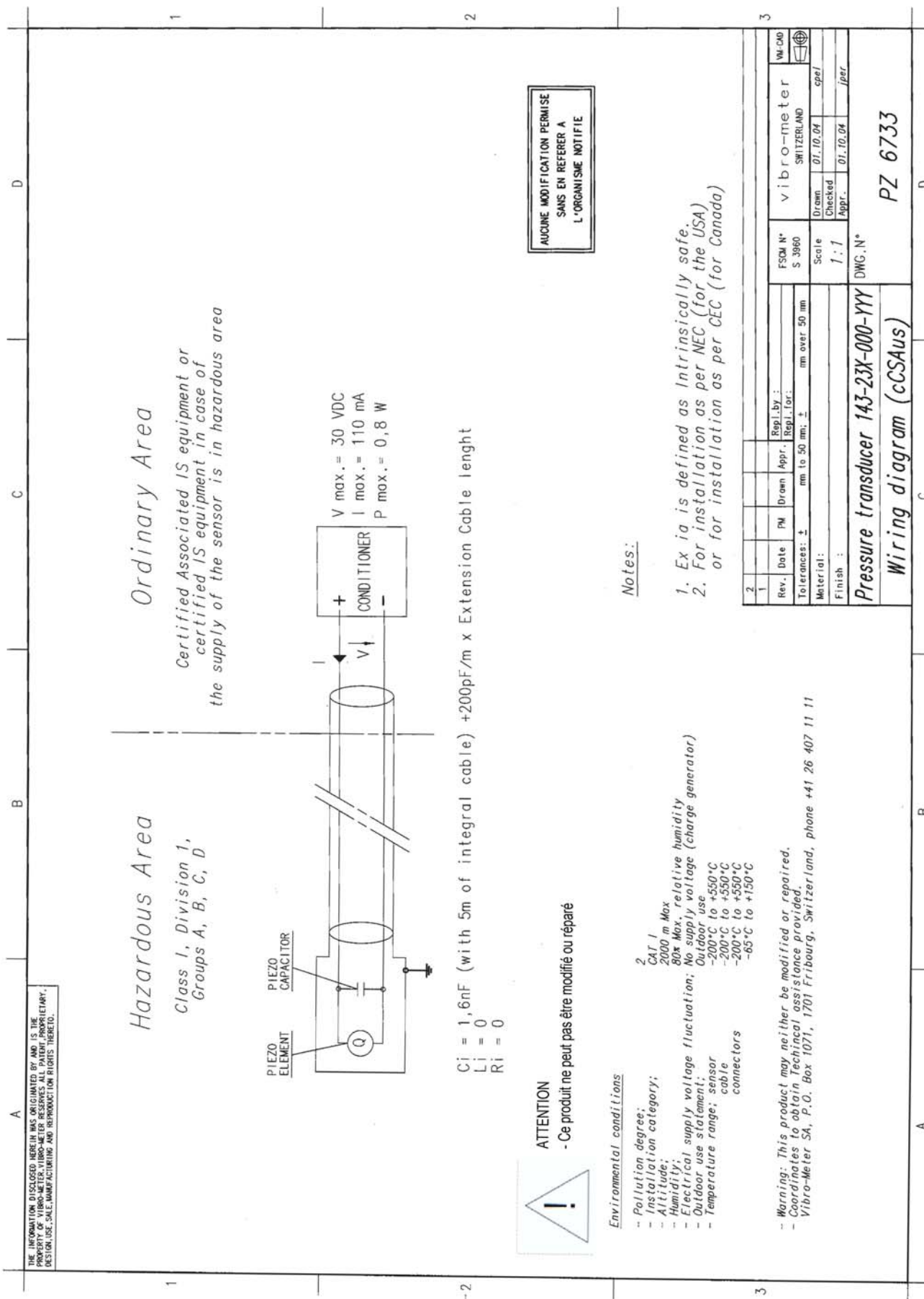
Certificate: 1636189

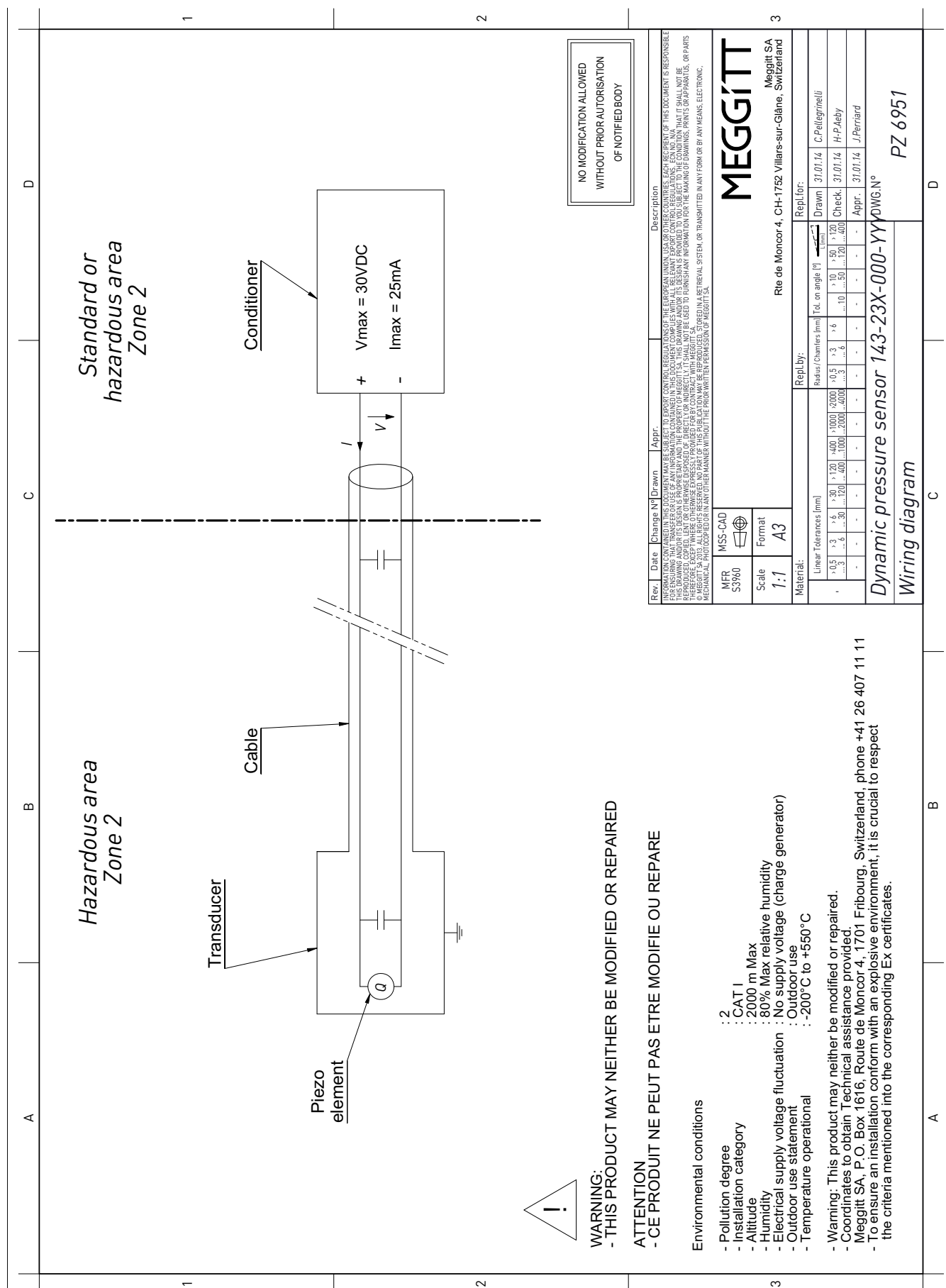
Master Contract: 175074

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
80236657	2025-08-12	Update to cCSAus report 1636189 for update of standard CSA C22.2 No 157-92 (R 2006) due to the applicable Hazloc Notice, Hazardous Locations Products No. 23, based on acceptance of data of external IECEx Ex ITRs
70004631	2014-08-26	Update to report 1636189 to include Class I Div 2 / Ex nA code with extended temperature range.
2415533	2011-04-19	1636189 January 22, 2004 Original cCSAus Certification for dynamic pressure sensor Type 143-23X- 000-YYY. Update to report 1636189 to include the change of legal entity name.
1636189	2005-01-05	Original Certification





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