Certificate of Compliance

Certificate: 80158550 **Master Contract:** 601800

Project: 80158550 **Date Issued:** 2023-04-06

Issued to: OleumTech Corporation
19762 Pauling,
Foothill Ranch, California 92610
United States

Attention: Patrick Clark

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

C US

Issued by: Morton Ma
Morton Ma

PRODUCTS

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

Class I, Division 1, Group A, B, C and D T6
Class I, Division 2, Group A, B, C and D T4
Class II, Division 1 Group E, F and G T80ºC
Class III

Pressure transmitter, models HGPT & HDPT. Operating voltage 9Vdc - 55Vdc, Output signal 4mA - 20mA, 1Vdc - 5Vdc, HART etc., -40ºC ≤ Ta ≤ 60ºC, Maximum process temperature 80°C, IP66.

Note: Refer to the Description section of this report for a complete model number designation for the HGPT and HDPT series Pressure transmitter.

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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61010-1-12	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
CSA C22.2 No. 25-17	Enclosures for use in Class II, Division 1, Groups E, F, and G hazardous locations
CSA C22.2 No. 30-20	Explosion-proof enclosures for use in class I hazardous locations
CSA C22.2 No. 213-17	Nonincendive electrical equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 hazardous (classified) locations
UL Std. No. 61010-1 (3nd Edition).	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
FM 3600:2018	Approval Standard for Electrical Equipment for Use in Hazardous (Classified) Locations - General Requirements
FM 3611:2018	Approval Standard for Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
FM 3615:2018	Approval Standard for Explosionproof Electrical Equipment General Requirements
FM 3616:2011	Approval Standard for Dust-Ignitionproof Electrical Equipment General Requirements

Conditions of Acceptability:

1. Temperature code depends on process temperature as follows:

Classification	T-code	Ambient Temperature	Process Temperature
Gas, Vapour & Mists			
CID1	T6	-40 to 60°C	-40 to 80°C
CID2	T4	-40 to 60°C	-40 to 80°C
Dusts, Fibres & Flying			
CII and CIII	T80°C	-40 to 60°C	-40 to 80°C

2. The branch pointing and entry point temperature may exceed 60°C when the process temperature is more than 80°C. If this occurs the end user shall select the suitable certified cable, conduit fittings and stopping plug for final installation. Use conductors rated at least 5°C above the maximum operating ambient.

3. Wiring to or from this equipment, which enters or leaves the explosion-proof enclosure, must utilize wiring methods suitable for Class I, Division 1 Hazardous Locations in accordance to the Canadian Electrical Code or National Electrical Code.

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4. This equipment may only be powered by a power supply unit with a limited energy electric circuit in accordance with CAN/CSA C22.2 No. 61010-1-12 and ANSI/UL 61010-1, or Class 2 as defined in the Canadian Electrical Code C22.1, Section 16-200 and/or National Electrical Code (NFPA 70), article 725.121.

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual 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 indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

- Company's name or trade mark or CSA master contract number (601800)
- Model number: As specified in the PRODUCTS section, above.
- Date code or Serial number: As specified in the PRODUCTS section, above.
- Hazardous Locations Designation: As specified in the PRODUCTS section, above.
- Temperature code rating: T6 and T80ºC
- Ambient temperature range: -40°C - +60°C
- Complete electrical rating: As specified in the PRODUCTS section, above.
- Maximum Working Pressure (MWP)
- Warning as below:

When product with seal not required:

- WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
- AVERTISSEMENT – NE PAS OUVRIR EN PRÉSENCE D'UNE ATMOSPHÈRE EXPLOSIVE.
- CAUTION – THE CABLE AND CABLE BRANCH TEMPERATURE IS IN USER MANUAL.
- AVERTISSEMENT – LA TEMPÉRATURE DE LA BRANCHE DE CÂBLE ET DE CÂBLE EST DANS LE MANUEL D'UTILISATION.
- CAUTION – SEAL NOT REQUIRED.
- AVERTISSEMENT – SCEAU NON REQUIS.

When product with seal required:

- WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
- AVERTISSEMENT - NE PAS OUVRIR EN PRÉSENCE D'UNE ATMOSPHÈRE EXPLOSIVE.
- WARNING - A SEAL SHALL BE INSTALLED WITHIN 50 mm OF THE ENCLOSURE.
- AVERTISSEMENT - ÉTANCHÉITÉTRE INSTALLÉE DANS UNE PLAGE DE 50 mm DU BOÎTIER
- CAUTION – THE CABLE AND CABLE BRANCH TEMPERATURE IS IN USER MANUAL.
- AVERTISSEMENT - LA TEMPÉRATURE DE LA BRANCHE DE CÂBLE ET DE CÂBLE EST DANS LE MANUEL D'UTILISATION.

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Notes:

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

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