



Certificate of Compliance

Certificate: 70010647

Master Contract: 208772

Project: 80045351

Date Issued: September 07, 2020

Issued to: Fluidwell B.V.
Voltaweg 23
5466 AZ Veghel
NETHERLANDS

Attention: R. Amiot

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



Issued by:

Stewart Finch IEng
Certification Specialist

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, Grps A, B, C, D (except model codes Exxx - z - x - x - HC_ and Exxx - z - x_ - x_ - HU_). Which are for groups B, C, D only)

Class II/III, Division 1, Grps E, F, G

Class I, Zone 1, AEx d IIC T6/T5 Gb

Zone 21, AEx tb IIIC T85°C/T100°C Db

Flowrate indicator/totalizer model Exxx-z with Analog and Pulse Signal Inputs, Alarm and/or pulse Outputs, Linearization and communication options.

Electrical ratings: 8-30 Vdc or 65-250 Vac (incl. 10% tolerance), 50/60Hz, 4.5W for T6 and 9.2W for T5. Battery powered and/or supplied externally, the indicators can be equipped with a pulse/relay output and a sensor supply output.

Ambient operating temperature range is -40°C to +70°C.

The indicator enclosure ensures a degree of protection of at least IP66/IP67 in accordance with CAN/CSA 60529 and ANSI/IEC 60529 and Type 4X as well.



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Model code is as follows:

Exxx - z - A_ - C_ - H_ _ - I_ - O_ - P_ - X_ - Z_

xxx = model number representing firmware in range 000 – 999 which does not affect approval

z = Primary sensor input

A_ = Analog output

C_ = Communication output

H_ _ = Enclosure

I_ = Additional input

O_ = Digital outputs

P_ = Power requirements

X_ = Hazardous area

Z_ = Options

For only the safety relevant options, the model code reduces to:

Exxx-z-xx-xx-H_ _-xx- O_-P_-xx-xx.

Symbol “z” and “x” represent a letter denoting different non-safety relevant options related to LV/LC signaling and software functionality.

Digital output

OR mechanical relay(s) and passive transistor outputs

OT passive transistor outputs

OX No digital outputs

Power requirements

PB Lithium battery powered

PD 9 - 27V DC + sensor supply.

PX basic power input 9 - 27V DC

Note: following specifications appear in the manufacturer’s instructions:

-The property class of the hexagon socket head screw of process connection A (cylindrical joint) is A2-70 or better;

-The details of the flameproof joints are specified in the manufacturer’s instructions;

-The painted aluminum enclosure shall be installed in such a way that danger of ignition due to electrostatic charges is avoided.

-Guidance are given in the manufacturer’s instructions since the temperature at the entry point is above 70°C.



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APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 0-10	General Requirements - Canadian Electrical Code, Part II
CAN/CSA C22.2 No. 61010-1-12	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
CAN/CSA C22.2 No. 60079-0:11	Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements
CAN/CSA C22.2 No. 60079-1:11	Electrical Apparatus for Explosive Gas Atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
CAN/CSA-C22.2 No. 60079-31:12	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
CAN/CSA-C22.2 No. 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA-C22.2 No. 25-1966	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CAN/CSA C22.2 No. 60529:05(R2010)	Degrees of protection provided by enclosures (IP Code)
ANSI/ISA 61010-1 (82.02.01)	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
ANSI/ISA 60079-0 (12.00.01): 2013	Explosive atmospheres – Part 0: Equipment – General Requirements
ANSI/ISA 60079-1 (12.22.01): R2013	Explosive Atmospheres – Part 1: Equipment protection by flameproof enclosures "d"
FM3600: 2011	Electrical Equipment for Use in Hazardous (Classified) Locations – General Requirements
FM3615: 2006	Explosionproof Electrical Equipment
ANSI/IEC 60529:2004	Degrees of protection provided by enclosures (IP Code)



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
80045351	September 07, 2020	The introduction of an alternative enclosure front window cover manufactured in aluminium type AlSi9Cu3(Fe).
70010647	August 27, 2015	Original Certification.