IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx DEK 23.0037X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2023-07-17		
Applicant:	**Pyromation LLC** 5211 Industrial Road Fort Wayne, IN 46825 **United States of America**		
Equipment:	**Temperature Transmitter, Type T142**		
Optional accessory:			
Type of Protection:	**Ex db , Ex tb**		
Marking:	Ex db IIC T6…T4 Gb Ex tb IIIC T110 °C Db		

Approved for issue on behalf of the IECEx Certification Body: **R. Schuller**

Position: **Certification Manager**

Signature: (for printed version)

Date: (for printed version) 2023-07-17

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands

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Certificate No.: **IECEx DEK 23.0037X**

Date of issue: 2023-07-17 Issue No: 0

Manufacturer: **Pyromation LLC**
5211 Industrial Road
Fort Wayne, IN 46825
United States of America

Manufacturing locations: **Pyromation LLC**
5211 Industrial Road
Fort Wayne, IN 46825
United States of America

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

NL/DEK/ExTR23.0034/00

Quality Assessment Report:

GB/SIR/QAR15.0011/06

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Description

The Temperature Transmitters, Type T142 consist of an enclosure, made of aluminium, containing electronics circuits, terminals and optionally a display. The transmitters are used to convert the measurement signal of an external temperature sensor into an output signal.

Depending the version, the transmitter provides a 4 – 20 mA current output signal with HART communication.

The ambient temperature range, depending on transmitter version and temperature class or temperature code, is listed in the following table:

Transmitter version	Temperature class Temperature code	Ambient temperature range
in type of protection flameproof enclosures Ex db IIC	T6	-40 °C to +55 °C
	T5	-40 °C to +70 °C
	T4	-40 °C to +80 °C
in type of protection dust ignition protection by enclosure Ex tb IIIC	T110 °C	-40 °C to +80 °C

The enclosure of the transmitter provides a degree of protection IP66/IP67 in accordance with IEC 60529.

Electrical data

Unit T142
Communication HART 7
Voltage 11…36 Vdc
Output signal 4-20 mA
Current consumption 23 mA
Power dissipation 1 W

Nomenclature

See Annex 1.

SPECIFIC CONDITIONS OF USE: YES as shown below:
- The flameproof joints are not intended to be repaired.

- When the optional non-conductive coating is applied the risk from electrostatic discharge shall be minimized.

Annex:

227663800-Annex 1 to ExTR23.0034.00.pdf