



# 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](http://www.iecex.com)

Certificate No.: **IECEX CSA 23.0024X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-05-12

Applicant: **OleumTech Corporation**  
19762 Pauling  
Foothill Ranch, CA 92610  
**United States of America**

Equipment: **Electromagnetic Flow Meters HEFM01 Series**

Optional accessory:

Type of Protection: **Increased Safety**

Marking: **Ex ec IIC T6...T4 Gc**

T4 Ta = -40°C to +60°C  
T5 Ta = -40°C to +60°C  
T6 Ta = -40°C to +50°C

**Fluid Temperature**

T4 = -20°C to +120°C  
T5 = -20°C to +80°C  
T6 = -20°C to +60°C

Approved for issue on behalf of the IECEx  
Certification Body:

**Dave Magee**

Position:

**Senior Director of Operations, Toronto**

Signature:  
(for printed version)

Date:  
(for printed version)

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**CSA Group**  
178 Rexdale Boulevard  
Toronto, Ontario M9W 1R3  
Canada





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Date of issue: 2023-05-12

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Manufacturer: **OleumTech Corporation**  
19762 Pauling  
Foothill Ranch, CA 92610  
**United States of America**

Manufacturing locations: **OleumTech Corporation**  
19762 Pauling  
Foothill Ranch, CA 92610  
**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 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

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:

[CA/CSA/ExTR23.0017/00](#)

Quality Assessment Report:

[GB/SIR/QAR13.0004/08](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The HEFM01 series Electromagnetic Flow Meter consists of a flowmeter transmitter and a sensor body, measuring the volumetric flow rate of a conductive fluid in a pipe. The enclosure comprises an aluminum housing and is divided into two compartments: a field wiring compartment and an electronics compartment. The enclosure features two threaded covers, and there are two cable opening entries with NPT 1/2" for field wiring. The front cover, located opposite the field wiring back cover, consists of tempered glass and an aluminum frame.

A flowmeter transmitter connects to the sensor body via a flange connection. The sensor body, which consists of a sensing coil and a welded SPHC enclosure, is designed to accommodate various pipe dimensions.

The Electromagnetic Flow Meter operates on a 24Vdc power source. The suitable medium temperature ranges from -20°C to +120°C. The IP67 marking was not endorsed by CSA.

**Refer to the Annexe for the model designations**

**SPECIFIC CONDITIONS OF USE: YES as shown below:**

**Refer to the Annexe**

**Annex:**

[IECEX CSA 23.0024X Issue 0 Annexe.pdf](#)