



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx LCI 08.0015 issue No.:2

Status: **Current**

Certificate history:

Issue No. 2 (2013-8-9)
Issue No. 1 (2010-5-21)
Issue No. 0 (2008-2-18)

Date of Issue: **2013-08-09** Page 1 of 4

Applicant: **Fisher Controls International Inc.**
1612 South 17th Avenue
Marshalltown IA 50158 USA
United States of America

Electrical Apparatus: **Type N Series Flow Computer**
Optional accessory:

Type of Protection: **nA**

Marking: Fisher Controls International Inc.
or Bristol, Inc. dba Remote Automation Solutions
Address:
type designation: Type N
Model : W40149 or W40150
Serial number:
Year of manufacture:
Ex nA IIC T3 Gc
-40°C < Ta < +75°C
IECEx LCI 08.0015
WARNING : DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE
PRESENT
WARNING: DO NOT USE LOI CONNECTOR UNLESS AREA IS KNOWN TO BE
NON-HAZARDOUS


Approved for issue on behalf of the IECEx
Certification Body:

Michel EQUI

Position:

Certification manager

Signature:
(for printed version)



2013/08/09

Date:

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)

33 Avenue du General Leclerc

FR-92260 Fontenay-aux-Roses

France

**Documents relative to LCIE certification activities (Certificates,
QARs, ExTRs) can be registered under the references "LCI" or
"LCIE".**





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Manufacturer: **Fisher Controls International Inc.**
1612 South 17th Avenue
Marshalltown IA 50158 USA
United States of America

Additional Manufacturing location
(s):

Bristol, Inc. dba Remote Automation Solutions 1100 Buckingham Street Watertown, Connecticut 06795 United States of America	Fromex S.A. de C.V. Parque Industrial Finsa Av Industrias No. 6025 Nuevo Laredo, Tamaulipas Mexico
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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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

IEC 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition: 4

*This Certificate **does not** indicate compliance with electrical 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:
[FR/LCI/ExTR08.0019/03](#)

Quality Assessment Report:

[FR/LCI/QAR07.0011/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This apparatus is an electronic flow computer based on pressure and temperature measures of fluid.

Rated voltage : 8V up to 28V

Dissipated Power : 18W

Each apparatus must be submitted to a dielectric strength as described in IEC 60079-15:Ed.4 standard, clause 23.2.

An option allows to equip this apparatus by a LCD screen. Another option is available to get a pulse interface module on the apparatus. The device includes an optional LCD Cover assembly, which includes a glass viewing window.

Free internal volume is 1640 cm³ for standard apparatus, 1570 cm³ for apparatus with LCD screen option and 1725 cm³ for apparatus with pulse interface module.

The device has threaded covers, which form part of the flameproof design. The covers are retained to the enclosure via cover clamps as depicted on the W40149 certification drawing.

The device utilizes a pressure transducer, which is assembled to the product via interfacing threads. These threads form part of the flameproof design. This threaded joint is locked via a hex socket locking screw per sheet 2 of certification drawing W40149.

When the Pulse Interface Module Option Assembly is used, a Sensor Locking Clip and hex socket screw are installed on P1 and P2 on Sensor Housing W40118 as a locking device. This will require a special tool for removal.

When a pressure transducer is not installed, a blanking cover or plate is used to cover the enclosure opening.

CONDITIONS OF CERTIFICATION: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Initial issue : (2008/02/18)

Initial certificate n° IECEx LCI 08.0015 according to the following standards: IEC 60079-15:Ed.2

Issue 01 : (2010/05/21)

Standards update according to the following standards : IEC 60079-0 : Ed.4 and IEC 60079-15 : Ed.3.

Issue02 :

Standards update according to the standards IEC 60079-0:Ed.6.0 and IEC 60079-15:Ed.4.

Addition of an optional module pulse interface.

Addition of a new manufacturer: Bristol, Inc. dba Remote Automation Solutions.