



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 SIR 12.0009X** issue No.: **2**

Status: **Current**

Date of Issue: **2016-01-06** Page 1 of 5

Certificate history:
Issue No. 2 (2016-1-6)
Issue No. 1 (2014-11-25)
Issue No. 0 (2012-3-1)

Applicant: **Imtex Control Limited**
Unit 4
Tenth Avenue
Deeside Industrial Park
Flintshire CH5 2UA
United Kingdom

Electrical Apparatus: **Type DQ Valve Position Monitor**
Optional accessory:


Type of Protection: **Increased Safety, Encapsulation and Dust**

Marking: Ex emb IIC T6 Gb
Ex tb IIIC T85°C Db
(Ta = -40°C to +60°C)
or
Ex emb IIC T4 Gb
Ex tb IIIC T100°C Db
(Ta = -40°C to +80°C)

Approved for issue on behalf of the IECEx Certification Body: **N Jones**

Position: **Certification Manager**

Signature:
(for printed version)



2016-01-06

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:

SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden
Deeside
CH5 3US
United Kingdom

sira
CERTIFICATION





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Manufacturer: **Imtex Control Limited**
Unit 4
Tenth Avenue
Deeside Industrial Park
Flintshire CH5 2UA
United Kingdom

Additional Manufacturing location(s):

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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-18 : 2009 Edition: 3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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:

GB/SIR/ExTR12.0047/00

GB/SIR/ExTR14.0285/00

GB/SIR/ExTR15.0341/00

Quality Assessment Report:

GB/SIR/QAR09.0002/02



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Type DQ Valve Position Monitors comprise a cylindrical stainless steel enclosure with main enclosure base and threaded domed cover. A drive shaft passing through the enclosure base operates up to four, internally mounted reed switches. The drive shaft also operates a polycarbonate visual position indicator, which is secured externally to the underside of the base and shows the status of the valve. Connection to the reed switches is via Ex e certified terminals. The base has provision for up to three cable entries that are used with suitably certified cable glands, allowing the equipment to be connected to an external electrical power source. Unused cable entries are closed off with suitably certified blanking devices.

Product Nomenclature

DQ-a-b-c-d-e-f

Where: a = Function, b = Enclosure, c = Entry thread types, d = Output drive, e = Indicator, f = Feature designator

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The equipment shall be supplied via a fuse that is mounted externally in a safe area and rated at 120 V, 1 A maximum, The fuse shall be capable of withstanding a prospective short circuit current of 1500 A.
2. Bridges shall not be used with the terminals.



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EQUIPMENT(continued):

Conditions of manufacture

The Manufacturer shall comply with the following:

1. Every unit shall be subjected to a visual inspection in accordance with Clause 9.1 of IEC 60079-18:2009.
2. Every unit shall be subjected to a routine dielectric strength test of at least 1500 V r.m.s. a.c. applied for at least 1 s, or at least 1800 V r.m.s. a.c. applied for at least 100 ms, between all terminals and the equipment enclosure, in accordance with Clause 9.2 of IEC 60079-18:2009.



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

Issue 1 – this Issue introduced the following changes:

1. The Applicant's address was changed:

From: Unit 5a Valley Industries Hadlow Road Tonbridge Kent TN11 0AH UK	To: Unit 4, Tenth Avenue Deeside Industrial Park Flintshire CH5 2UA UK
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Issue 2 – this Issue introduced the following changes:

- 1 The removal of the following material notes from the housing and the cover variant drawings. 'DIN1690 Part10 Cast Stainless Steel 316SS Grade' and 'exceeds the quality of 150 (ISO 185)'
- 2 The introduction of alternative stainless steel grades for the housing and the cover variants. Therefore becoming:
IQ-a-b-c-d-e-f
Where **b** designates enclosure material of manufacture:
S = CF8M or
CF3M or alternative Cast Austenitic Stainless Steel grades
D = CD3MN or alternative Cast Duplex Stainless Steel grades