



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

Certificate No.: **IECEX SIR 07.0008** Issue No.: **0**  
Status: **Current**  
Date of Issue: **2007-05-04** Page 1 of 3

Applicant: **EXPO Technologies Limited**  
Summer Road  
Thames Ditton  
Surrey KT7 0RH  
United Kingdom

Electrical Apparatus: **Minipurge Interface Unit Type MIU/d**  
*Optional accessory:*

Type of Protection: **Flameproof and Dust**

Marking: **Ex d IIC T6 (Tamb -20°C to + 40°C)**  
**Ex d IIC T5 (Tamb -20°C to +55°C)**  
**Ex d IIB+H2 T6 (Tamb -20°C to + 40°C)**  
**Ex d IIB+H2 T5 (Tamb -20°C to +55°C)**  
**Ex tD A21 IP6X T80°C (Tamb -20°C to + 40°C)**  
**Ex tD A21 IP6X T95°C (Tamb -20°C to +55°C)**  
(The marking that is applicable depends upon type)

Approved for issue on behalf of the IECEx  
Certification Body:

C Ellaby

Position:

Certification Officer

Signature:  
(for printed version)

Date:

2007-05-04

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

Rake Lane  
Eccleston  
Chester  
CH4 9JN  
United Kingdom

**sira**  
CERTIFICATION



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Manufacturer: **EXPO Technologies Limited**  
Summer Road  
Thames Ditton  
Surrey KT7 0RH  
**United Kingdom**

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 manufacture'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:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2003</b> Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/ExTR07.0032/00

Quality Assessment Report:

GB/SIR/QAR07.0012/00



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Minipurge Interface Units comprise a flameproof enclosure with various internal equipment dependent upon the application. The enclosures used are either Expo dA, dX, dT, dK or dN depending upon the size or type required, see detailed description in the certificate Annexe. The applicable codings are listed below:

#### dA, dX, and dT Enclosures

Ex d IIC T6 (Tamb -20°C to + 40°C) or  
Ex d IIC T5 (Tamb -20°C to +55°C)  
Ex tD A21 IP6X T80°C (Tamb -20°C to + 40°C) or  
Ex tD A21 IP6X T95°C (Tamb -20°C to +55°C)

#### dK and dN Enclosures

Ex d IIB+H2 T6 (Tamb -20°C to + 40°C) or  
Ex d IIB+H2 T5 (Tamb -20°C to +55°C)  
Ex tD A21 IP6X T80°C (Tamb -20°C to + 40°C) or  
Ex tD A21 IP6X T95°C (Tamb -20°C to +55°C)

**CONDITIONS OF CERTIFICATION: NO**