



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 10.0178 issue No.: 0 Certificate history:

Status: **Current**

Date of Issue: 2010-12-09 Page 1 of 3

Applicant: **Status Instruments Limited**
Green Lane Business Park
Tewkesbury
Gloucestershire
GL20 8DE
United Kingdom

Electrical Apparatus: **Series 50 Exd Flameproof Head**
Optional accessory:

Type of Protection: **Flameproof and Dust**

Marking: **Ex d IIC T6 Gb Tamb +55°C**
Ex t IIIC T85°C Db IP68 Tamb +55°C
Or
Ex d IIC T5 Gb Tamb +70°C
Ex t IIIC T100°C Db IP68 Tamb +70°C
Or
Ex d IIC T4 Gb Tamb +105°C
Ex t IIIC T135°C Db IP68 Tamb +105°C
Or
Ex d IIC T3 Gb Tamb +170°C
Ex t IIIC T200°C Db IP68 Tamb +170°C

Approved for issue on behalf of the IECEx Certification Body: D R Stubbings BA MIET

Position: Certification Manager

Signature:
(for printed version)

Date:

2010-12-09

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: **Status Instruments Limited**
Green Lane Business Park
Tewkesbury
Gloucestershire
GL20 8DE
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 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 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 61241-1 : 2004 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/ExTR10.0292/00](#)

Quality Assessment Report:

[GB/TRC/QAR10.0001/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Series 50 Ex d Flameproof Head is a general purpose enclosure intended for use with temperature measuring equipment typically in the form of thermocouples or platinum resistance thermometers, temperature transmitters or terminal blocks. It may also be fitted with a pair of float switch assemblies and used as a liquid level probe. It is of cylindrical shape and has a two-part construction with a threaded lid screwing into the main base assembly. The lid comes in three variants, two low cap variants and a high cap variant

The high cap variant and one of the low cap variants has a toughened soda lime glass window, this is retained by means of a ceramic cement, 'Autostic FC', and a threaded locking ring. This window allows a loop powered display in the high cap variant and a temperature indicator in the low cap variant to be viewed. The base comes in three variants, either one side-threaded cable entry point with one entry on the bottom consisting of a cylindrical and a threaded joint, two side-threaded cable entry points with one entry on the bottom consisting of a cylindrical and a threaded joint or two side-threaded cable entry points only

All cable entry points are intended to be used with suitably dimensioned and certified cable entry components, the cable entry threadforms may be either M20 x 1.5 or 1/2" NPT

Options

The Series 50 Ex d Flameproof head may also be manufactured with dual cable entries.

CONDITIONS OF CERTIFICATION: NO

Empty box for conditions of certification.