



# 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 15.0013 issue No.:1

Certificate history:  
Issue No. 1 (2016-5-26)  
Issue No. 0 (2015-3-25)

Status: **Current**

Date of Issue: **2016-05-26** Page 1 of 4

Applicant: **Gill Instruments Ltd**  
Saltmarsh Park  
67 Gosport St  
Lymington SO41 9EG  
**United Kingdom**

Electrical Apparatus: **1360 IS II Anemometer, Part No. 1360-00-097**  
Optional accessory:

Type of Protection: **Intrinsic Safety and Dust**

Marking: Ex ia IIC T4 Ga  
Ex ia IIIC T135°C Da  
Tamb = -30°C to +70°C

Approved for issue on behalf of the IECEx  
Certification Body:

N Jones

Position:

Certification Manager

Signature:  
(for printed version)

Date:

2016-05-26

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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Page 2 of 4

Manufacturer: **Gill Instruments Ltd**  
Saltmarsh Park  
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Lymington SO41 9EG  
**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:

|   |   |
|---|---|
| <b>IEC 60079-0 : 2011</b><br>Edition: 6.0     | Explosive atmospheres - Part 0: General requirements                                |
| <b>IEC 60079-11 : 2011</b><br>Edition: 6.0    | Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"       |
| <b>IEC 60079-26 : 2014-10</b><br>Edition: 3.0 | Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga |

*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/ExTR15.0082/00](#)

[GB/SIR/ExTR16.0128/00](#)

Quality Assessment Report:

[GB/SIR/QAR10.0007/03](#)



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Certificate No.: IECEx SIR 15.0013

Date of Issue: 2016-05-26

Issue No.: 1

Page 3 of 4

## Schedule

### EQUIPMENT:

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

The 1360 IS II Anemometer, Part No. 1360 00 097, is an intrinsically safe unit with no moving parts that uses ultrasonic pulse time of flight in free air for the measurement of wind speed and direction at locations. The IS II Anemometer can be used in conjunction with a PC, data logger or other device, compatible with and isolated by the approved IS Power Supplies associated with this device.

The equipment comprises; four transducer arms attached to a stainless steel enclosure that houses printed circuit board, piezo electric transducers and connector, all of which are completely encapsulated within the enclosure. External electrical connections are made to a twenty way connector located in the base of the apparatus.

The Anemometer is designed to connect to the intrinsically safe outputs of the I.S. WindObserver Power Supply Unit 1360 (certificate number IECEx SIR 13.0156) or LV PCI Unit 1954-00-002 (certificate number IECEx SIR 13.0159).

Input Parameters:

$U_i = 11.55 \text{ V}$

$I_i = 162 \text{ mA}$

$P_i = 417 \text{ mW}$

$C_i = 0$

$L_i = 0$

CONDITIONS OF CERTIFICATION: NO



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Date of Issue: 2016-05-26

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Page 4 of 4

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

**Issue 1** – this Issue introduced the following changes:

- 1 Allow modification of the component part number for TR9.
- 2 Allow modification of the part number for the transducer disc.