



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx DEK 11.0095X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2012-06-18

Applicant: **Dwyer Instruments, Inc.**  
102 Indiana Highway  
212 Michigan City, 46360  
**United States of America**

Equipment: **Pressure Switch Series SA1100**

Optional accessory:

Type of Protection: **d**

Marking: **Ex d IIC T6 Gb**

Approved for issue on behalf of the IECEx  
Certification Body:

**M. Erdhuizen**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DEKRA Certification B.V.**  
Utrechtseweg 310  
6812 AR Arnhem  
Netherlands





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Manufacturer: **Dwyer Instruments, Inc.**  
102 Indiana Highway  
212 Michigan City, 46360  
**United States of America**

Manufacturing  
locations:

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 equipment 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](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:5

[IEC 60079-1:2007](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:6

This Certificate **does not** indicate compliance with 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:

[NL/DEK/ExTR11.0111/00](#)

Quality Assessment Report:

[CA/CSA/QAR09.0006/02](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Pressure Switch Series SA1100 is used to switch in response to increasing or decreasing pressure of gasses or liquids.

Ambient temperature range: -20 °C to +63.6 °C

## Switch ratings:

$U_{max}$  = 125, 250 or 480 V ac

$U_{max}$  = 125 or 250 V dc

$I_{max}$  = 15 A ac

$I_{max}$  = 1/2 A dc at 125 V dc resistive or 1/4 A dc at 250 V dc resistive

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

Repair of the flameproof joints are to be done by the manufacturer only.