



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

Certificate No.:	IECEX DEK 11.0056X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 2	Issue 1 (2017-04-26) Issue 0 (2011-07-26)
Date of Issue:	2022-11-17		
Applicant:	Dwyer Instruments, LLC 102 Indiana Highway 212 Michigan City, IN 46360 United States of America		
Equipment:	Position Indicating Switch, Models Mark 1, Mark 3 and Mark 4.		
Optional accessory:			
Type of Protection:	Ex db		
Marking:	Ex db IIC T6 Gb Ex db IIB T6 Gb (Option SV1, SV2 only)		

Approved for issue on behalf of the IECEx
Certification Body:

L.G. van Schie

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2022-11-18

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 or use of this QR Code.



Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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

Manufacturing locations: **Dwyer Instruments, LLC**
3999 E Hubb Road
Bldg R-6-1
La Porte, IN 46350
United States of America

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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/ExTR11.0061/02](#)

Quality Assessment Report:

[CA/CSA/QAR09.0006/13](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Position Indicating Switch, Models Mark 1, Mark 3 and Mark 4, is in type of protection flameproof enclosures "d" and provides an indication of the position of a rotating shaft. The enclosure can be provided with switches, potentiometers or transmitters.

The degree of protection is IP66 / IP68W per IEC 60529 except for the Solenoid Valve (Options SV1, SV2) options, which are IP66 only.

For details on the nomenclature, thermal data and electrical data see Annex 1 to NL/DEK/ExTR11.0061/02.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The flame path dimensions differ from IEC 60079-1 requirements. Repairs to be conducted by Dwyer Instruments, LLC.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Assessed per IEC 60079-0:2017 (Ed. 7).
2. Removal of Ex ib WirelessHART option.
3. Minor documentation updates.
4. Update manufacturer name from "Dwyer Instruments, Inc." to "Dwyer Instruments, LLC".
5. Replaced Fergus Falls, MN manufacturing location with LaPorte, IN manufacturing location.

Annex:

[383009700-ExTR11.0061.02-Annex 1.pdf](#)