

# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

**No.: 2022312304001506**

**Applicant and address**

Dwyer Instruments LLC  
102 Indiana Highway 212, Michigan City, IN 46360, USA

**Manufacturer and address**

Dwyer Instruments LLC  
102 Indiana Highway 212, Michigan City, IN 46360, USA

**Factory and address**

Dwyer Instruments LLC  
3999 E Hupp Road, Bldg R-6-1, La Porte, IN 46350, USA

**Product, series, specification and model**

Differential Pressure Switches

1950G-\*-\*-\*

Ex db IIB+H<sub>2</sub> T6 Gb

**Standards**

GB/T 3836.1-2021, GB/T 3836.3-2021

**This product(s) complies with the requirements of CNCA-C23-01: 2019  
China Compulsory Certification Implementation Rule on Explosion  
Protected Electrical Product.**

**Issue date: 2024-03-13 Valid to: 2027-10-25**

Detailed information and status of this certificate is available by using the QR code,  
visiting CNEx's website or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn).

This translated document has no legal effect and shall not be used alone.



Director:

Nanyang Explosion Protected Electrical  
Apparatus Research Institute Co., Ltd.





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## Product information:

### 1. This certificate covers the following models:

-1950G-\*-\*

-Nomenclature:

-1950G	--	-*	--	-*	--	-*
-a	-	-b	-	-c	-	-d

-a: Basic Series Designation

-1950G: 1950G Pressure Switch

-b: Pressure Range Designation

-00: 0.07~0.15In. WC

-0: 0.15~0.5In. WC

-1: 0.4~1.6In. WC

-5: 1.4~5.5In. WC

-10: 3~11In. WC

-20: 4~20In. WC

-c: Diaphragm and O-Ring Material Designation

-B: Buna N

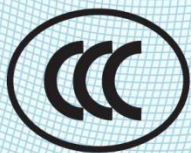
-N: Neoprene



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- S: Silicone
- V: Fluoroelastomer
- F: Fluorosilicone
- d: Input Voltage Supply
- 24: 24VDC
- 120: 120VAC
- 240: 240VAC
- The ambient temperature of the Series 1950G Differential Pressure Switches is dependent upon the O-Ring/Diaphragm material used within the construction based on the table below.

- O-Ring/Diaphragm - Material	- ambient - temperature
- Buna-N - Neoprene	- -17°C~+60°C
- Silicone - Fluorosilicone	- -40°C~+60°C
- Fluoroelastomer	- -1°C~+60°C

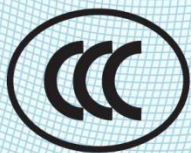
- Supply: 24 Vdc, 120 Vac or 240 Vac  $\pm$  10%



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- Relay Contacts: 10A-120/240 Vac, 28 Vdc
- Resistive 50mA-125 Vdc
- Ex marking: Ex db IIB+H<sub>2</sub> T6 Gb
- Producers should organize production in accordance with the technical documents approved by the certification body.

## **2. Specific conditions of safety use:**

- The cover bolts have a minimum property class of 10.9.
- Repairs to the flamepaths are only to be performed by Dwyer Instruments LLC.
- Before application, CCC certified Ex db IIC Gb cable gland (NPT1/2") must be applied, suitable for the conditions of use and correctly installed.
- See instruction for other information.

## **3. Certificate related report(s):**

- Type test report: CQST2207C044

## **4. Certificate change information:**

- 1st change on March 13, 2024: Change of the address of the Production Factory.



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