



国家防爆

# 防爆合格证

制造单位 Endress+Hauser Optical Analysis Inc.  
 11027 Arrow Route, Rancho Cucamonga CA 91730, United States of America

产品名称 TDL 气体分析仪

型号规格 SS2100i-2

防爆标志 Ex db IIB+H<sub>2</sub> T4 Gb

产品标准 --

总装图号 EX080000001, EX080000002, EX080000003, EX080000004, EX080000012, EX080000013

经对上述产品图样及技术文件的审查和样品检验,确认符合下列标准:  
 GB/T 3836.1-2021 《爆炸性环境 第1部分:设备 通用要求》  
 GB/T 3836.2-2021 《爆炸性环境 第2部分:由隔爆外壳“d”保护的设 备》

记事: 见附页(共1页)。

# 国家防爆

中心主任

颁发日期

2023年05月10日

本证有效期

2023年05月10日至2028年05月09日



南阳防爆电气研究所  
 国家防爆电气产品质量检验检测中心



公众号





国家防爆

# 防爆合格证 (附页)

第 1 页 共 1 页

1. 本产品已取得 IECEX 证书, 证书号: IECEX CML 21.0154X, 版本 0, 颁发日期: 2021-12-13。

2. 额定参数:

额定电压: AC120V ~ 240V (50/60 Hz)

额定功率: 最高 300W

3. 使用环境温度:  $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$ 。

4. 本产品配用的已取得防爆证书的 Ex 元件如下:

序号	产品名称	产品型号	防爆标志	数量
1	外壳	EJB 63AS 10111003 EJB 63AS 10111002	Ex db IIB+H <sub>2</sub> Gb	1
2	阻火器	FT/VS 61090	Ex db IIC T6 Gb	2

5. 防爆标志: Ex db IIB+H<sub>2</sub> T4 Gb

6. 特殊使用条件:

- 配用的 Ex 元件应符合其证书的规定;
- 电缆引入口配用的配件, 如封堵件、呼吸/排液装置或变径接头等, 须获得防爆证书并确保与其使用环境相适应, 并满足制造商的说明书规定;
- 隔爆外壳应使用屈服应力不小于 450MPa 的紧固件;
- 当对隔爆面进行修理时, 应联系原制造商获取有关隔爆接合面尺寸的资料;
- 产品应采用能保证外壳观察窗仅可能承受较低能量机械冲击的方法安装。

中心主任

颁发日期

2023年05月10日

本证有效期

2023年05月10日至2028年05月09日



南阳防爆电气研究所  
国家防爆电气产品质量检验检测中心



公众号

注: 本证书仅对与认可文件和样品一致的产品有效。登录网站或关注公众号查询真伪  
地址: 中国河南省南阳市仲景北路20号  
邮编: 473008 电话: 0377-63258564 传真: 0377-63208175 网址: www.china-ex.com





国家防爆

# 防爆合格证

## Electrical Apparatus for Explosive Atmospheres CERTIFICATE OF CONFORMITY

**Manufacturer** Endress+Hauser Optical Analysis Inc.  
11027 Arrow Route, Rancho Cucamonga CA 91730, United States of America

**Product** TDL Gas Analyser

**Type** SS2100i-2

**Marking** Ex db IIB+H<sub>2</sub> T4 Gb

**Standard(s)** --

**Drawing No.** EX080000001, EX080000002, EX080000003, EX080000004, EX080000012, EX080000013

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB/T 3836.1-2021 Explosive atmospheres - Part 1: Equipment - General requirements  
 GB/T 3836.2-2021 Explosive atmospheres - Part 2: Equipment protection by flameproof enclosure "d"

**Note:**

See Annex (1 page in total).

**Director**

**Date:**

2023-05-10

**Valid until:**

2028-05-09



南阳防爆电气研究所  
 NANYANG EXPLOSION PROTECTED ELECTRICAL APPARATUS RESEARCH INSTITUTE  
 国家防爆电气产品质量检验检测中心  
 CHINA NATIONAL QUALITY SURVEY AND TEST CENTER FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS  
 Address: No.20, 9th Zhongjing Rd, Nanyang, Henan(473008), P.R.China  
 Tel:0377-63288564 Fax:0377-63208175 Web:www.china-ex.com

注：本证书仅对与认可文件和样品一致的产品有效。

登录网站或关注公众号查询真伪 0589 1692 9347 6185

Note: This certificate is only valid for products which are identical with the sample(s) tested and verified. Holder of this certificate has the responsibility to ensure the products comply with relevant standards.





国家防爆

# 防爆合格证 (附页)

## Electrical Apparatus for Explosive Atmospheres CERTIFICATE OF CONFORMITY

Page 1 of 1

1. This product has been certified, under certificate number IECEX CML 21.0154X, issue 0, dated 2021-12-13.

2. Rating:

Power supply: 120V to 240V AC(50/60 Hz)

Power: 300W max

3. Tamb: -20°C to +60°C

4. The certified Ex components included in this product are given in the following table:

NO.	Component	Model/Type	Ex Marking	Quantity
1	Enclosure	EJB 63AS 10111003 EJB 63AS 10111002	Ex db IIB+H <sub>2</sub> Gb	1
2	Flames Arrestor	FT/VS 61090	Ex db IIC T6 Gb	2

5. Ex-Marking: Ex db IIB+H<sub>2</sub> T4 Gb.

6. Specific conditions of use:

- The specific conditions of use of each certified element come under the corresponding certificate of conformity;
- Entries shall be equipped with accessories such as blanking element, breather/drain or reducer certified for the intended use and in accordance with manufacturer's instructions;
- The screws used for the assembly of the various parts of flameproof enclosures must have a yield stress higher or equal to 450 MPa;
- The flameproof joints are not intended to be repaired. If needed, contact the manufacturer.
- The equipment shall be installed in such a way that the hazard of mechanical impact on the window of the electronics enclosure to be low.

Director

Date:

2023-05-10

Valid until:

2028-05-09



南阳防爆电气研究所  
NANYANG EXPLOSION PROTECTED ELECTRICAL APPARATUS RESEARCH INSTITUTE  
国家防爆电气产品质量检验检测中心  
CHINA NATIONAL QUALITY SURVEY AND TEST CENTER FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS  
Address: No. 20, 19th Zhongjing Rd, Nanyang, Henan(473008), P.R. China  
Tel: 0377-63298564 Fax: 0377-63208175 Web: www.china-ex.com

注: 本证书仅对与认可文件和样品一致的产品有效。

登录网站或关注公众号查询真伪

Note: This certificate is only valid for products which are identical with the sample(s) tested and verified. Holder of this certificate has the responsibility to ensure the products comply with relevant standards.