

# SS2000 H<sub>2</sub>O或CO<sub>2</sub>气体分析仪

## 可靠测量天然气中的H<sub>2</sub>O或CO<sub>2</sub>



详细信息和最新价格参见:

[www.endress.com.cn/SS2000](http://www.endress.com.cn/SS2000)

### 优势:

- 高精度实时H<sub>2</sub>O或CO<sub>2</sub>测量
- 在严苛工况下可靠测量，几乎无需维护
- 无湿润或干燥延迟，测量快速、精确
- 蒸汽中夹杂的杂质（比如乙二醇、甲醇、胺、硫化氢或硫醇）不会引起污染或漂移
- NIST溯源认证标定
- 通过模拟量输出和串行输出实现远程监测
- 通过CSA Cl. 1, Div. 2或Cl. 1, Div. 1防爆认证

### 产品规格参数

- **Measured Variables** Concentration Moisture Dew Point Cell Pressure Cell Temperature
- **Hazardous area approvals** CSA Class I, Division 1 CSA Class I, Division 2 CSA Class I, Zone 2

**应用领域:** SS2000单通道气体分析仪采用专利的TDLAS可调谐激光二极管吸收光谱技术进行气体测量，测定天然气中的H<sub>2</sub>O或CO<sub>2</sub>浓度，无需直接接触气体。蒸汽中夹杂的杂质（比如乙二醇、甲醇或胺）不会引起污染或漂移。

### 特征和规格

H2O

#### 测量原理

TDLAS

#### Product Headline

Single channel gas analyzer for moisture (H<sub>2</sub>O) in the natural gas industry. The sensor measures gas using Tunable Laser Diode Absorption Spectroscopy (TDLAS) to determine the concentration of the gas without coming into physical contact with the stream.

## H2O

**Channels**

1

**Analyte and Measurement ranges**

H2O (Moisture): 0-100 to 0-5000 ppmv

**Measured Variables**

Concentration

Moisture Dew Point

Cell Pressure

Cell Temperature

**Ambient Temperature range**

-20 to 50°C (-4 to 122°F)

**Operating Pressure range**

Inlet Pressure: 140-350 kPa (20-50 psig)

Sample Cell: 700-1400 mbara

**Analyzer Wetted materials**

316L Stainless Steel

FKM O-Rings

Glass

**Power supply**

100-240 VAC, 50-60 Hz

OR

9-16 VDC or 18-32 VDC - optional

1 Amp maximum @ 120 VAC

1.6 Amp @ 24VDC, 3.2 Amp @ 12 VDC

**Communication**

Analog Output: 1 or 2 4-20mA Isolated, 1200 ohms @ 24 VDC max load

Serial: RS232C

Protocol: Modbus Gould RTU or Daniel RTU or ASCII

Alarms: 2, General Fault and Concentration Alarms via Modbus and Analog Output(s)

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H2O	<p><b>Housing materials</b> Electronics: 304 Stainless Steel (Class I Div 2) Electronics: Cast Aluminum (Class I Div 1) Sample System Panel: Anodized aluminum</p> <hr/> <p><b>Hazardous area approvals</b> CSA Class I, Division 1 CSA Class I, Division 2 CSA Class I, Zone 2</p> <hr/> <p><b>Degree of protection</b> Type 3R (Class I Div 2) Type 4 (Class I Div 1)</p> <hr/>
CO2	<p><b>测量原理</b> TDLAS</p> <hr/> <p><b>Product Headline</b> Single channel gas analyzer for carbon dioxide (CO2) in the natural gas industry. The sensor measures gas using Tunable Laser Diode Absorption Spectroscopy (TDLAS) to determine the concentration of the gas without coming into physical contact with the stream.</p> <hr/> <p><b>Channels</b> 1</p> <hr/> <p><b>Analyte and Measurement ranges</b> CO2 (Carbon Dioxide): 0-5% to 0-50%</p> <hr/> <p><b>Measured Variables</b> Concentration Cell Pressure Cell Temperature</p> <hr/> <p><b>Ambient Temperature range</b> -20 to 50°C (-4 to 122°F)</p> <hr/>

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CO2

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Sample Cell: 700-1400 mbara

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Electronics: 304 Stainless Steel (Class I Div 2)

Electronics: Cast Aluminum (Class I Div 1)

Sample System Panel: Anodized aluminum

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**Hazardous area approvals**

CSA Class I, Division 1

CSA Class I, Division 2

CSA Class I, Zone 2

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**Degree of protection**

Type 3R (Class I Div 2)

Type 4 (Class I Div 1)

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更多信息 [www.endress.com.cn/SS2000](http://www.endress.com.cn/SS2000)