

# SS2000E



详细信息和最新价格参见:

[www.endress.com.cn/SS2000E](http://www.endress.com.cn/SS2000E)

## 优势:

- 高精度实时H<sub>2</sub>O或CO<sub>2</sub>测量
- 几乎无需维护，在严苛工况下可靠测量，通过模拟量输出和串行输出实现远程监测
- 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
- 低使用成本，无需耗材
- 不锈钢样气预处理系统外壳带/不带伴热功能，NEMA -4X防护等级
- 通过CSA Cl. 1, Div. 2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 2 CSA Class I, Zone 2

**应用领域:** SS2000e单通道气体分析仪测量可靠，为天然气行业的测量需求量身定制。传感器采用专利的TDLAS可调谐激光二极管吸收光谱技术进行气体测量，测定H<sub>2</sub>O或CO<sub>2</sub>浓度，无需直接接触气体。

## 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. Includes a heated enclosure for the sample conditioning system.

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)  
Optional: -10 to 60°C (14 to 140°F)

**Operating Pressure range**

Inlet Pressure: 140-350 kPa (20-50 psig)  
Sample Cell: 700-1400 mbara or 700-1700 mbara (optional)

**Analyzer Wetted materials**

316L Stainless Steel  
FKM O-Rings  
Glass

**Power supply**

100-240 VAC, 50-60 HZ  
OR  
18-24 VDC - optional  
1 Amp maximum @ 120 VAC , 1.6 Amps @ 24 VDC (unheated)  
2 Amps maximum @ 120 VAC (heated)

**Communication**

Analog: Two 4-20mA Isolated, 1200 ohms @ 24 VDC max load  
Serial: RS232C - standard, RS485 and Ethernet - optional  
Protocol: Modbus Gould RTU or Daniel RTU or ASCII  
Digital Outputs: 2, General Fault and Concentration/Assignable Alarm

H2O	<p><b>Housing materials</b>  Electronics: 304 or 316L Stainless Steel  Sample System Enclosure: 4X 304 or 316L Stainless Steel</p> <hr/> <p><b>Hazardous area approvals</b>  CSA Class I, Division 2  CSA Class I, Zone 2</p> <hr/> <p><b>Degree of protection</b>  Type 4X</p>
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. Includes a heated enclosure for the sample conditioning system.</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)  Optional: -10 to 60°C (14 to 140°F)</p>

CO<sub>2</sub>**Operating Pressure range**

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

Sample Cell: 700-1400 mbara or 700-1700 mbara (optional)

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**Analyzer Wetted materials**

316L Stainless Steel

FKM O-Rings

Glass

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**Power supply**

100-240 VAC, 50-60 HZ

OR

18-24 VDC - optional

1 Amp maximum @ 120 VAC , 1.6 Amps @ 24 VDC (unheated)

2 Amps maximum @ 120 VAC (heated)

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**Communication**

Analog: Two 4-20mA Isolated, 1200 ohms @ 24 VDC max load

Serial: RS232C - standard, RS485 and Ethernet - optional

Protocol: Modbus Gould RTU or Daniel RTU or ASCII

Digital Outputs: 2, General Fault and Concentration/Assignable Alarm

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**Housing materials**

Electronics: 304 or 316L Stainless Steel

Sample System Enclosure: 4X 304 or 316L Stainless Steel

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**Hazardous area approvals**

CSA Class I, Division 2

CSA Class I, Zone 2

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**Degree of protection**

Type 4X

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更多信息 [www.endress.com.cn/SS2000E](http://www.endress.com.cn/SS2000E)