

SS3000e双通道水气 (H₂O) 和二氧化碳 (CO₂) 气体分析仪

在天然气行业中可靠进行H₂O和CO₂测量，响应时间短



详细信息和最新价格参见:

www.endress.com.cn/SS3000E

优势:

- 单台分析仪实时输出高精度H₂O和CO₂测量结果
- 在恶劣工况下几乎免维护，可靠工作
- 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，通过模拟量输出和串行输出实现远程监测
- 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: SS3000e是双通道气体分析仪，高效经济地测量水气（H₂O）和二氧化碳（CO₂），单台分析仪连接两支传感器。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H₂O和CO₂浓度，无需直接接触气体。

特征和规格

H₂O+CO₂

测量原理

TDLAS

H2O+CO2

Product Headline

Dual channel gas analyzer for moisture (H2O) channels and carbon dioxide (CO2). 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.

Channels

2

Analyte and Measurement ranges

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

CO2 (Carbon Dioxide): 0-5% to 0-50%

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

H2O+CO2**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 Output: 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

Housing materials

Electronics: 304 or 316L Stainless Steel

Sample System Enclosure: 304 or 316L Stainless Steel

Hazardous area approvals

CSA Class I, Division 2

CSA Class I, Zone 2

Degree of protection

Type 4X

H2O+H2O**测量原理**

TDLAS

Product Headline

Dual channel gas analyzer for two moisture (H2O) channels. 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.

Channels

2

H2O+H2O**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

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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 Output: 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

Housing materials

Electronics: 304 or 316L Stainless Steel
Sample System Enclosure: 304 or 316L Stainless Steel

H2O+H2O

Hazardous area approvals

CSA Class I, Division 2

CSA Class I, Zone 2

Degree of protection

Type 4X

更多信息 www.endress.com.cn/SS3000E