

J22 TDLAS气体分析仪

技术成熟，可靠精准地测定天然气中的水气 (H₂O)



优势:

- 确保天然气生产、输送、储存和分配具有高可用性
- 友好的用户界面，直观的菜单显示，网页服务器通信
- 内置心跳自诊断和心跳自校验功能
- 自动保存历史数据和光谱日志
- 通过NIST可溯源标定，具有超高精度和高重复性
- 坚固耐用，轻松执行分析仪的安装、调试和维修操作
- 支持现场更换部件和模块，实现最短停机时间

产品规格参数

- **Measured Variables** Concentration Dew Point Cell Pressure Cell Temperature
- **Hazardous area approvals** ATEX / IECEx Zone 1 UKEx Zone 1 CSA Class I, Division 1 CSA Class I, Zone 1

详细信息和最新价格参见:

www.endress.com.cn/J22

应用领域: J22气体分析仪采用TDLAS可调谐二极管激光吸收光谱技术，精准测定天然气中的水气 (H₂O)。配备Heartbeat Technology心跳技术的可靠自诊断功能，J22分析仪直接测定气体浓度，无需接触样气。专门为天然气管路运营商和天然气供应商量身定制，帮助他们保证气体质量达标，防止管路腐蚀、阻止天然气水合物形成，保护人员生命财产安全。

特征和规格

H2O

测量原理

TDLAS

H2O

Product Headline

Best-in-class gas analyzer for moisture (H2O) that is exceptionally reliable and tailored for the natural gas industry. The sensor measures gas using a Tunable Laser Diode Absorption Spectroscopy (TDLAS) to determine the concentration of the gas without coming into physical contact with the stream. Heartbeat Technology ensures compliance and process safety at all times.

Channels

1

Analyte and Measurement ranges

H2O (Moisture): 0-50 to 0-6000 ppmv

Measured Variables

Concentration
Dew Point
Cell Pressure
Cell Temperature

Ambient Temperature range

-20 to 60°C (-4 to 140°F)

Operating Pressure range

Inlet Pressure: 140-310 kPa (20-45 psig)
Sample Cell: 800-1200 mbara or 800-1700 mbara (optional)

Analyzer Wetted materials

316L Stainless Steel
FKM O-Rings
Glass

Power supply

Without heater: 24 VDC \pm 20% or 100 to 240 VAC \pm 10%, 50/60 Hz, 10W
With optional heater: 100 to 240 VAC \pm 10%, 50/60 Hz, 80W

H2O

Communication

Service webserver interface: Ethernet RJ45

I/O1: Modbus RTU over RS485

I/O2 and 3: Relay output OR Universal I/O (UIO); UIO can be configured as analog output (4-20 mA) or digital/status output

Housing materials

Electronics: Copper-free aluminum

Sample System Enclosure: 304 Stainless Steel

Sample System Panel: Anodized aluminum

Hazardous area approvals

ATEX / IECEx Zone 1

UKEx Zone 1

CSA Class I, Division 1

CSA Class I, Zone 1

Degree of protection

IP66, Type 4X

Product safety

CE

RCM

FCC

更多信息 www.endress.com.cn/J22