

数字式pH/ORP组合电极 Memosens CPS96E

Memosens 2.0 pH电极，适用于化工或造纸行业、以及油漆涂料生产过程中重度污染介质的测量



详细信息和最新价格参见:

www.endress.com.cn/CPS96E

优势:

- Memosens 2.0支持扩展储存单元，保存标定参数和过程参数，能够更好地进行趋势识别，为未来实施预维护和改进IIoT工业物联网服务提供完美的基础。
- 同时测量pH、ORP和rH值（在rH模式中），能够提供丰富过程信息，是严格过程控制的坚实基础。
- 附加铂电极持续监测参比阻抗，是电极质量的可靠保障。
- 填充稳定凝胶电解液，参比电极带离子捕捉阱，电极坚固耐用，抗中毒。
- 测量结果不受压力和温度波动的影响：开孔隔膜设计，有效避免引线出现黏附。
- 采用非接触式感应信号传输方式，具有高过程安全性。
- 尽可能缩短生产停机时间，延长了电极使用寿命，降低了运营成本。

产品规格参数

- **测量范围** ORP: -1 500 to 1 500 mV pH: 0 to 14
- **过程温度** 0 to 110 °C (32 to 230 °F)
- **过程压力** 0.8 to 14 bar (11.6 to 203 psi) absolute

应用领域: Memosens CPS96E是纤维状介质或高悬浮固体浓度介质（例如分散液、沉淀剂、乳液）的测量专家。开孔隔膜设计，无污染风险，确保可靠pH和ORP测量。CPS96E采用Memosens 2.0 数字技术，具有高过程完整性，操作非常简单。防水防潮设计，允许实验室传感器标定，支持扩展数据存储，保存标定参数和过程参数。是实施预维护的完美基础。

特征和规格

pH

测量原理

玻璃电极

应用

pH / ORP sensor for heavily contaminated media and suspended solids

- Chemical processes
- Pulp and paper industry
- Flue gas cleaning
- Contaminated media:
 - Solids
 - Emulsions
 - Precipitation reactions

特点

Gel pH/ORP electrode with open aperture and double gel reference with ion trap for chemical applications

测量范围

ORP: -1 500 to 1 500 mV

pH: 0 to 14

测量原理

Pt-disc as additional ORP element

rH measurement and control of the reference impedance

设计

All shaft lengths with temperature sensor

Advanced gel technology

Hydrolysis stable gel

pH

材质

Sensor shaft: Glass to suit process
pH membrane glass: Type B
Metal lead: Ag/AgCl
ORP measuring element: Platinum
O-ring: FKM
Process coupling: PPS fiber-glass reinforced
Nameplate: Ceramic metal oxide

外形尺寸

Diameter: 12 mm (0.46 inch)
Shaft lengths: 120, 225, 360 and 425 mm
(4.68, 8.77, 14.04 and 16.57 inch)

过程温度

0 to 110 °C (32 to 230 °F)

过程压力

0.8 to 14 bar (11.6 to 203 psi) absolute

温度传感器

NTC 30k

防爆认证

With ATEX, IECEx, CSA C/US, NEPSI, Japan Ex and INMETRO approvals for use in hazardous areas Zone 0, Zone 1 and Zone 2

连接

Inductive, digital connection head with Memosens 2.0 technology

防护等级

IP68

ORP /氧化还原电位

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ORP电极

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