

电导传感器

Liquitrend QMW43

紧凑型设备，连续测量粘附堆积物厚度和电导率



优势:

- 可靠、可重复的高精度粘附堆积物厚度和电导率测量，与被测介质类型无关
- 电导和电容测量原理完美结合，设备自动精准检测测量模式，并自动进行模式切换
- 无需打开罐体即可验证清洗状态
- 不锈钢传感器，结构紧凑，齐平安装，直接查看管路或罐体上关键工艺点的状况
- 即插即用，调试简单，无需预设置
- 卫生型设计，材料可溯源
- 提供IO-Link数字通信

详细信息和最新价格参见:

www.endress.com.cn/QMW43

产品规格参数

- **测量范围** Conductivity: 0 μ S/ cm...100 mS/ cm Build-up thickness: 0 mm...10 mm
- **过程温度** -20°C...+100°C (-4°F...+212°F) +150°C (+302°F) for 1h
- **过程压力** Vacuum...25 bar (Vacuum...362.5 psi)
- **Measuring method** Capacitive- conductive

应用领域: Liquitrend QMW43专门针对食品与饮料行业设计，帮助客户确保产品安全，提升产品质量，提高设备可用性。结合电导和电容测量原理，特有的可靠粘附堆积物厚度和电导率测量方法，帮助您正确决策。

特征和规格

Physical medium properties**测量原理**

Medium consistency

Measuring method

Capacitive- conductive

应用

Continuous inline measurement of build-up and liquid conductivity

供电电压

10...30 VDC

IO-Link: 18...30 VDC

测量范围

Conductivity:

0 μ S/ cm...100 mS/ cm

Build-up thickness:

0 mm...10 mm

Accuracy

Build-up:

$\leq 1\%$ of measuring range

Conductivity:

0...2 mS/ cm: $\leq 5\%$ of reading

2...20 mS/ cm: $\leq 7\%$ of reading

20...50 mS/ cm: $\leq 10\%$ of reading

50...100 mS/ cm: $\leq 15\%$ of reading

环境温度

-40°C...+70°C (-40°F...+158°F)

过程温度

-20°C...+100°C

(-4°F...+212°F)

+150°C (+302°F) for 1h

Physical medium properties

过程压力

Vacuum...25 bar
(Vacuum...362.5 psi)

输出

4...20 mA
Frequency
IO-Link

连接

Threads G1", G3/4", M24,
Tri-Clamp ISO2852, DIN11851

防爆认证

No Ex certificates
CSA C/US General Purpose

其他证书

EN10204- 3.1
EHEDG
3-A
EG1935/2004
CRN approval

选项

Customer specific configuration
Cleaned from oil and grease
Surface roughness test
Welding- and process adapters

更多信息 www.endress.com.cn/QMW43