

Micropilot FMR60B – 80 GHz雷达液位计

量身定制，操作更加便捷



优势:

- 人机界面直观明了，提供引导式仪表调试和验证向导，操作简单
- 显示屏上显示推荐操作，帮助用户轻松排除故障
- 引导式SIL锁定、验证测试和功能安全测试操作，降低了系统性错误发生风险
- 安全设计理念，遵循IEC 61508标准研发
- 采用Heartbeat Technology心跳技术，支持仪表在线自监测、自校验和自诊断，提高生产力

产品规格参数

- **测量精度** +/-1 mm (0.04 in)
- **过程温度** -40 ... +200 °C (-40 ... +392 °F)
- **过程压力 (绝压) /最大过压限定值** Vacuum...20 bar (290 psi)
- **最大测量距离** 50 m (164 ft)
- **主要接液部件** PVDF, PTFE or PEEK

应用领域: Micropilot FMR60B是新一代80 GHz雷达物位计的家族成员。在基本液体应用中连续进行非接触式液位测量，仪表带小尺寸过程连接。内置操作向导，引导用户轻松执行仪表的调试、功能安全及验证测试操作，操作非常便捷。采用Heartbeat Technology心跳技术，支持仪表在线自校验和自监测，及时识别异常工况，提升了过程安全性，提高了生产效率。

特征和规格

连续液位测量

测量原理

雷达物位仪

连续液位测量

特点/应用

For simple continuous non-contact level measurements in liquids, pastes, and slurries; Not influenced by changing media,
temperature differences, gas phases or steam;
For vessels with many internals

特点

Heartbeat Technology;
SIL 2 according to IEC 61508;
Bluetooth® commissioning;
Operation and maintenance with SmartBlue App;
HistoROM;
RFID TAG for easy identification

电源/通信

2-wire (HART/ PROFIBUS PA)
PROFINET with Ethernet-APL
Bluetooth® wireless technology

频率

W-Band (~80 GHz)

测量精度

+/-1 mm (0.04 in)

环境温度

-40 ... +85 °C (-40 ... +185 °F)

过程温度

-40 ... +200 °C (-40 ... +392 °F)

过程压力 (绝压) /最大过压限定值

Vacuum...20 bar (290 psi)

主要接液部件

PVDF, PTFE or PEEK

连续液位测量

过程连接

Thread: G3/4" and 1-1/2", MNPT 3/4" and 1-1/2";
Flange: UNI DN80...DN150;
Mounting bracket

最大测量距离

50 m (164 ft)

通信

HART/ PROFIBUS PA
PROFINET with Ethernet-APL
Bluetooth® wireless
technology and app (optional)

证书和认证

IEC Ex, ATEX, CSA C/US, EAC Ex, JPN Ex, KC Ex,
INMETRO Ex, NEPSI Ex, UK Ex

安全认证

Overfill protection WHG;
SIL 2

设计认证

Acceptance test certificate 3.1, EN10204;
EU Food Contact Material (EC) 1935/2004;
US Food Contact Material FDA CFR 21;
Declaration of Conformity ASME B31.3;
AD2000;
PMI test;
CRN approval

船级认证

ABS, LR, BV, RINA, DNV

连续液位测量

选项

Display,
Customized settings,
App 'SmartBlue' for commissioning
and operation via Bluetooth
Gas-tight implementation;
Overvoltage protection;
PWIS free

应用限制

Process temp. $< -40^{\circ}\text{C}$ (-40°F) or $> 200^{\circ}\text{C}$ (392°F) -> FMR62B
Very aggressive media -> FMR62B
Turbulences, stilling well and bypass -> FMR62B
Strong foam and interfaces --> FMP5x
