

# 放射线物位和密度测量Gammapiilot FMG50

## 用于限位检测、连续物位测量、界面测量和密度测量的一体式变送器



详细信息和最新价格参见:

[www.endress.com.cn/FMG50](http://www.endress.com.cn/FMG50)

### 优势:

- 真正的两线制回路供电的一体式变送器，最大限度地降低了设计和安装工作量
- 首款两线制回路供电的一体式变送器，节省了安装和设计成本
- 即使在极端过程和环境条件下，也能提高安全性、效率和稳定性
- 遵循IEC 61508标准设计，完全满足SIL2/3应用场合的测量要求
- 采用先进的Heartbeat Technology心跳技术，降低了校验工作量，最大限度地缩短了设备停机时间
- 采用创新的传感器技术，适用环境温度不超过+80°C (+176°F)，无需冷却
- 采用Bluetooth®蓝牙无线技术，在波束辐射范围之外远程操作

### 产品规格参数

- **过程温度** Any
- **过程压力 (绝压) /最大过压限定值** Any
- **最大测量距离** Unlimited measuring range, Cascade
- **主要接液部件** Non-contact
- **测量精度** +/-1%

**应用领域:** Gammapiilot FMG50一体式变送器可以在液体、固体、悬浮液或污泥中进行非接触式限位检测、连续物位测量、界面测量和密度测量。它是首款两线制回路供电的一体式变送器，最大限度地降低了设计和安装工作量。

### 特征和规格

## 连续料位测量

### 测量原理

放射线测量

### 特点/应用

Compact transmitter for extreme process conditions (temperature, pressure);

Non-contact measuring technique

### 特点

Heartbeat Technology,

SIL 2/3 according to IEC 61508,

Bluetooth® commissioning, operation and maintenance with the SmartBlue App

### 电源/通信

2-wire loop powered

### 测量精度

+/-1%

### 环境温度

-40 °C...+80 °C,

(-40 °F...+176 °F)

### 过程温度

Any

### 过程压力 (绝压) /最大过压限定值

Any

### 主要接液部件

Non-contact

### 过程连接

Non-contact

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## 连续料位测量

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### 传感器长度

PVT scintillator

400 mm...3000 mm,

>3000 mm cascade mode

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### 最大测量距离

Unlimited measuring range,

Cascade

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### 通信

4...20 mA HART

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### 证书和认证

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

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### 安全认证

Overfill protection WHG

SIL 2/3

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### 设计认证

EN 10204-3.1

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### 选项

Display

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### 组件

Isotope: FSG60, FSG61,

Source container: FQG60, FQG61, FQG62, FQG63, FQG66,

Mounting accessories: FHG61

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**固体限位检测****测量原理**

放射线限位测量

**特点/应用**

Compact transmitter for extreme process conditions (temperature, pressure);

Non-contact measuring technique

**特点**

Heartbeat Technology,

SIL 2/3 according to IEC 61508,

Bluetooth® commissioning, operation and maintenance with the SmartBlue App

**电源/通信**

2-wire loop powered

**环境温度**

-40 °C...+80 °C,

(-40 °F...+176 °F)

**过程温度**

Any

**过程压力 (绝压) /最大过压限定值**

Any

**主要接液部件**

Non-contact

**过程连接**

Non-contact

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**固体限位检测****传感器长度**

PVT scintillator:

200 mm...400 mm,

NAI scintillator:

50 x 50 mm,

50 x 100 mm

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**通信**

4...20 mA HART

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**证书和认证**

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

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**安全认证**

Overfill protection WHG

SIL 2/3

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**设计认证**

EN 10204-3.1

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**选项**

Display

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**组件**

Isotope: FSG60, FSG61,

Source container: FQG60, FQG61, FQG62, FQG63, FQG66,

Mounting accessories: FHG61

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**密度****测量原理**

放射线密度测量

## 密度

**特点/应用**

Compact transmitter for extreme process conditions (temperature, pressure);

Non-contact measuring technique

**电源/通信**

2-wire loop powered

**环境温度**

-40 °C...+80 °C,

(-40 °F...+176 °F)

**过程温度**

Any

**过程绝压**

Any

**接液部件**

Non-contact

**传感器长度**

PVT scintillator:

200 mm...400 mm,

NAI scintillator:

50 x 50 mm,

50 x 100 mm

**输出**

4...20 mA HART

**密度****证书和认证**

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

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**选项**

Display

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**特点**

Heartbeat Technology,

SIL 2/3 according to IEC 61508,

Bluetooth® commissioning, operation and maintenance with the SmartBlue App

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**组件**

Isotope: FSG60, FSG61,

Source container: FQG60, FQG61, FQG62, FQG63, FQG66,

Mounting accessories: FHG61

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**连续液位测量****测量原理**

放射线测量

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**特点/应用**

Compact transmitter for extreme process conditions (temperature, pressure);

Non-contact measuring technique

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**界面测量**

Interfaces liquid / liquid also with emulsion layers

Interfaces liquid / solid

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## 连续液位测量

### 特点

Heartbeat Technology,

SIL 2/3 according to IEC 61508,

Bluetooth® commissioning, operation and maintenance with the SmartBlue App

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### 电源/通信

2-wire loop powered

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### 测量精度

+/-1%

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### 环境温度

-40 °C...+80 °C,

(-40 °F...+176 °F)

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### 过程温度

Any

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### 过程压力 (绝压) /最大过压限定值

Any

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### 主要接液部件

Non-contact

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### 过程连接

Non-contact

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### 传感器长度

PVT scintillator

400 mm...3000 mm,

>3000 mm cascade mode

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## 连续液位测量

### 最大测量距离

Unlimited measuring range,

Cascade

### 通信

4...20 mA HART

### 证书和认证

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### 安全认证

Overfill protection WHG

SIL 2/3

### 设计认证

EN 10204-3.1

### 选项

Display

### 组件

Isotope: FSG60, FSG61,

Source container: FQG60, FQG61, FQG62, FQG63, FQG66,

Mounting accessories: FHG61

## 液体限位检测

### 测量原理

放射线限位测量

### 特点/应用

Compact transmitter for extreme process conditions (temperature, pressure);

Non-contact measuring technique

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**液体限位检测****特点**

Heartbeat Technology,

SIL 2/3 according to IEC 61508,

Bluetooth® commissioning, operation and maintenance with the SmartBlue App

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**电源/通信**

2-wire loop powered

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**环境温度**

-40 °C...+80 °C,

(-40 °F...+176 °F)

---

**过程温度**

Any

---

**过程压力 (绝压) /最大过压限定值**

Any

---

**主要接液部件**

Non-contact

---

**过程连接**

Non-contact

---

**传感器长度**

PVT scintillator:

200 mm...400 mm,

NaI scintillator:

50 x 50 mm,

50 x 100 mm

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## 液体限位检测

### 通信

4...20 mA HART

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### 证书和认证

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Isotope: FSG60, FSG61,

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