

Deltabar PMD75B差压变送器

智能压力变送器能够及时检测过程异常，比如引压管堵塞



详细信息和最新价格参见:

www.endress.com.cn/PMD75B

优势:

- 采用Heartbeat Technology心跳技术，无需中断生产过程即可验证仪表健康状况。提高了工厂的可用性。
- 清晰标识仪表状况，一旦出现诊断信息，仪表立即从绿色切换至红色显示
- 减小系统故障发生几率，零错误的SIL调试和引导式仪表功能安全测试
- 使用SmartBlue App无线远程控制操作困难区域内的设备

产品规格参数

- **测量精度** Standard: up to 0.05 % Platinum: up to 0.035 %
- **过程温度** -40°C...+110°C (-40°F...+230°F)
- **压力测量范围** 10 mbar...250 bar (0.15 psi...3750 psi)
- **主要接液部件** 316L, AlloyC, Tantal, Monel, Gold
- **过程膜片的材质** 316L, AlloyC, Tantal, Monel, Gold

应用领域: PMD75B是新一代Deltabar变送器的成员之一。变送器坚固耐用，采用安全Bluetooth蓝牙连接，使用移动设备，安装app，即可远程操控仪表。支持按需维护，提高了工厂的可用性。软件的使用十分简单。操作向导直观明了，引导用户逐步完成仪表设置、功能安全测试和验证测试。Heartbeat Technology心跳技术提供自校验和自监控功能，能够检测出过程异常，比如引压管堵塞。

特征和规格

压力

测量原理

差压

压力

特点

Differential pressure transmitter which detects process anomalies like plugged impulse lines.

Intuitive and clear wizards for commissioning, proof tests and verification.

供电电压

Ex d, Ex e, non-Ex:

10.5...35V DC

Ex i: 10.5...30V DC

参考测量精度

Standard:

up to 0.05 %

Platinum:

up to 0.035 %

长期稳定性

0.025 % of URL/ year

0.05 % of URL/ 5 years

0.10 % of URL/ 10 years

过程温度

-40°C...+110°C

(-40°F...+230°F)

环境温度

-40°C...+85°C

(-40°F...+185°F)

传感器

10 mbar...250 bar

(0.15 psi...3750 psi)

最小可标定量程

0.25 mbar (0.00375 psi)

抗真空压力

50 mbar (0.73 psi)

压力

最大量程比

100:1

最大过压限定值

1600 bar (23,200 psi)

过程连接

NPT1/4-18

RC1/4"

过程膜片的材质

316L, AlloyC,

Tantal,

Monel,

Gold

垫圈材质

PTFE, FKM, EPDM, FFKM

填充液

Silicone oil,

Inert oil

外壳材质

Aluminium, 316L

通信

4...20 mA HART

证书和认证

ATEX, CSA, IECEx, JPN Ex, INMETRO, NEPSI, UK Ex

安全认证

SIL

设计认证

EN10204-3.1,

NACE MR0103,

NACE MR0175

压力

饮用水认证

NSF, KTW

特点

Heartbeat Technology,
Bluetooth® Operation and maintenance SmartBlue App,
LED Module,
RFID TAG for easy identification,
Plug and play functionalities,
HistoROM

连续液位测量

测量原理

差压

特点/应用

Differential pressure transmitter which detects process anomalies like plugged impulse lines.
Intuitive and clear wizards for commissioning, proof tests and verification.

特点

Heartbeat Technology,
Bluetooth® Operation and maintenance with SmartBlue App,
LED Module,
RFID TAG for easy identification,
Plug and play functionalities
HistoROM

电源/通信

Ex d, Ex e, non-Ex:
10.5...35V DC
Ex i:
10.5...30V DC

连续液位测量

测量精度

Standard:

up to 0.05 %

Platinum:

up to 0.035 %

长期稳定性

0.025 % of URL/ year

0.05 % of URL/ 5 years

0.10 % of URL/ 10 years

环境温度

-54°C...+85°C

(-65°F...+185°F)

过程温度

-40°C...+110°C

(-40°F...+230°F)

过程压力 (绝压) /最大过压限定值

420 bar (6300 psi)

压力测量范围

10 mbar...250 bar

(0.15 psi...3750 psi)

主要接液部件

316L, AlloyC,

Tantal, Monel,

Gold

过程连接

NPT1/4-18,

RC1/4"

最大测量距离

400 m (1,312 ft) H₂O

连续液位测量

通信

4...20 mA HART

证书和认证

ATEX, CSA, IECEx, JPN Ex, INMETRO, NEPSI, UK Ex

安全认证

SIL

设计认证

EN 10204-3.1,
NACE MR0175,
NACE MR0103

饮用水认证

NSF, KTW

选项

Touch control display

应用限制

None

液体

测量原理

差压

产品标题

Differential pressure transmitter which detects process anomalies like plugged impulse lines,
Intuitive and clear wizards for commissioning, proof tests and verification

传感器特点

Fill fluid:
Silicone oil,
Inert oil

液体

变送器特点

LED Module,
RFID TAG for easy identification,
Plug and play functionalities,
HistoROM

接液部件材质

316L,
AlloyC,
Tantal,
Monel,
Gold

测量变量

Differential pressure

最大测量误差

Standard:
up to 0.05 %
Platinum:
up to 0.035 %

测量范围

10 mbar...250 bar
(0.15 psi...3750 psi)

最大过程压力

420 bar (6300 psi)

环境温度范围

-40°C...+85°C
(-40°F...+185°F)

变送器外壳材质

Aluminium, 316L

液体	显示/操作
	4-line backlit display with touch control (operation from outside) Bluetooth® Operation and maintenance SmartBlue App, Configuration via local display and operating tools possible
	输出
	4...20 mA HART
	数字通信
	HART
	防爆认证
	ATEX, CSA, IECEx, JPN Ex, INMETRO, NEPSI, UK Ex
功能安全性	
SIL	
计量认证和证书	
Heartbeat Technology	
压力认证和证书	
CRN	
材料证书	
EN10204-3.1, NACE MR0175, NACE MR0103	
蒸汽	测量原理
	差压
	产品标题
	Differential pressure transmitter which detects process anomalies like plugged impulse lines, Intuitive and clear wizards for commissioning, proof tests and verification

蒸汽

传感器特点

Fill fluid:
Silicone oil,
Inert oil

变送器特点

LED Module,
RFID TAG for easy identification,
Plug and play functionalities,
HistoROM

接液部件材质

316L,
AlloyC,
Tantal,
Monel,
Gold

测量变量

Differential pressure

最大测量误差

Standard:
up to 0.05 %
Platinum:
up to 0.035 %

测量范围

10 mbar...250 bar
(0.15 psi...3750 psi)

最大过程压力

420 bar (6300 psi)

环境温度范围

-40°C...+85°C
(-40°F...+185°F)

蒸汽

变送器外壳材质

Aluminium, 316L

显示/操作

4-line backlit display with touch control (operation from outside)
Bluetooth® Operation and maintenance SmartBlue App,
Configuration via local display and operating tools possible

输出

4...20 mA HART

数字通信

HART

防爆认证

ATEX, CSA, IECEx, JPN Ex, INMETRO, NEPSI, UK Ex

功能安全性

SIL

计量认证和证书

Heartbeat Technology

压力认证和证书

CRN

材料证书

EN10204-3.1,
NACE MR0175,
NACE MR0103

气体

测量原理

差压

气体

产品标题

Differential pressure transmitter which detects process anomalies like plugged impulse lines,
Intuitive and clear wizards for commissioning, proof tests and verification

传感器特点

Fill fluid:
Silicone oil,
Inert oil

变送器特点

LED Module,
RFID TAG for easy identification,
Plug and play functionalities,
HistoROM

接液部件材质

316L,
AlloyC,
Tantal,
Monel,
Gold

测量变量

Differential pressure

最大测量误差

Standard:
up to 0.05 %
Platinum:
up to 0.035 %

测量范围

10 mbar...250 bar
(0.15 psi...3750 psi)

最大过程压力

420 bar (6300 psi)

气体

环境温度范围

-40°C...+85°C
(-40°F...+185°F)

变送器外壳材质

Aluminium, 316L

显示/操作

4-line backlit display with touch control (operation from outside)
Bluetooth® Operation and maintenance SmartBlue App,
Configuration via local display and operating tools possible

输出

4...20 mA HART

数字通信

HART

防爆认证

ATEX, CSA, IECEx, JPN Ex, INMETRO, NEPSI, UK Ex

功能安全性

SIL

计量认证和证书

Heartbeat Technology

压力认证和证书

CRN

材料证书

EN10204-3.1,
NACE MR0175,
NACE MR0103

更多信息 www.endress.com.cn/PMD75B