

## Deltabar PMD75B - drukverschiltransmitter

Slimme druktransmitter die  
procesonregelmatigheden detecteert, zoals  
verstopte impulsleidingen



Meer informatie en actuele prijzen:

[www.be.endress.com/PMD75B](http://www.be.endress.com/PMD75B)

### Voordelen:

- Met Heartbeat Technologie kunt u de conditie van het instrument controleren terwijl het proces loopt. Dit verhoogt de beschikbaarheid van de installatie.
- Eenvoudige indicatie van de status van het instrument - het display verandert van groen naar rood bij diagnosemeldingen
- Minder systeemstoringen - foutloze SIL-inbedrijfstelling en instrumentgestuurde proof-test
- Bedien het instrument draadloos in moeilijk bereikbare procesgebieden met de SmartBlue-app

### Overzicht specificaties

- **Accuracy** Standard: up to 0.05 % Platinum: up to 0.035 %
- **Process temperature** -40°C...+110°C (-40°F...+230°F)
- **Pressure measuring range** 10 mbar...40 bar (0.15 psi...600 psi)
- **Main wetted parts** 316L, AlloyC, Tantal, Monel, Gold
- **Material process membrane** 316L, AlloyC, Tantal, Monel, Gold

**Toepassingsgebied:** Deze transmitter behoort tot de nieuwe Deltabar-generatie. Het instrument is robuust en kan op afstand worden bediend via de SmartBlue-app middels een beveiligde Bluetooth-verbinding. Het maakt toestandsafhankelijk onderhoud mogelijk om de beschikbaarheid van de installatie te verhogen. De software maakt een eenvoudige bediening mogelijk. Intuïtieve wizards leiden de gebruiker door de installatie, de proof-test en de verificatie van het instrument. Heartbeat Technology biedt controle- en bewakingsfuncties om ongewenste onregelmatigheden te detecteren, bijv. verstopte impulsleidingen.

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## Kenmerken en specificaties

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### Continuous / Liquids

**Meetprincipe**

Differential pressure

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**Characteristic / Application**

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

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

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**Specialities**

Heartbeat Technology,

Bluetooth® Operation and maintenance with SmartBlue App,

LED Module,

RFID TAG for easy identification,

Plug and play functionalities

HistoROM

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**Supply / Communication**

Ex d, Ex e, non-Ex:

10.5...35V DC

Ex i:

10.5...30V DC

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**Accuracy**

Standard:

up to 0.05 %

Platinum:

up to 0.035 %

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**Long term stability**

0.025 % of URL/ year

0.05 % of URL/ 5 years

0.10 % of URL/ 10 years

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**Continuous / Liquids****Ambient temperature**

-54°C...+85°C  
(-65°F...+185°F)

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**Process temperature**

-40°C...+110°C  
(-40°F...+230°F)

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**Process pressure absolute / max. overpressure limit**

420 bar (6300 psi)

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**Pressure measuring range**

10 mbar...40 bar  
(0.15 psi...600 psi)

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**Main wetted parts**

316L, AlloyC,  
Tantal, Monel,  
Gold

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**Process connection**

NPT1/4-18,  
RC1/4"

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**Max. meetafstand**

400 m (1,312 ft) H<sub>2</sub>O

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**Communication**

4...20 mA HART

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**Certificates / Approvals**

ATEX, IEC Ex, CSA C/US

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**Safety approvals**

SIL

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**Continuous / Liquids****Design approvals**

EN 10204-3.1,  
NACE MR0175,  
NACE MR0103

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**Drinking water approvals**

NSF, KTW

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**Options**

Touch control display

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**Application limits**

None

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**Pressure****Meetprincipe**

Differential pressure

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**Characteristic**

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

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**Supply voltage**

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

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**Reference Accuracy**

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

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**Pressure****Long term stability**

0.025 % of URL/ year  
0.05 % of URL/ 5 years  
0.10 % of URL/ 10 years

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**Process temperature**

-40°C...+110°C  
(-40°F...+230°F)

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**Ambient temperature**

-40°C...+85°C  
(-40°F...+185°F)

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**Measuring cell**

10 mbar...40 bar  
(0.15 psi...600 psi)

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**Smallest calibratable span**

0.25 mbar (0.00375 psi)

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**Vacuum resistance**

50 mbar (0.73 psi)

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**Max. Turn down**

100:1

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**Max. overpressure limit**

1600 bar (23,200 psi)

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**Process connection**

NPT1/4-18  
RC1/4"

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**Material process membrane**

316L, AlloyC,  
Tantal,  
Monel,  
Gold

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**Pressure****Material gasket**

PTFE, FKM, EPDM, FFKM

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**Fill fluid**Silicone oil,  
Inert oil

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**Material housing**

Aluminium, 316L

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**Communication**

4...20 mA HART

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**Certificates / Approvals**

ATEX, IEC Ex, CSA C/US

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**Safety approvals**

SIL

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**Design approvals**EN10204-3.1,  
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**Specialities**Heartbeat Technology,  
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