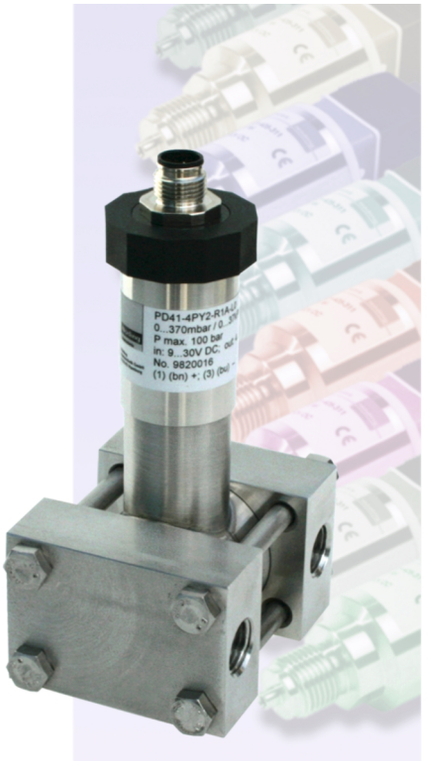
- Przetwornik wykonany ze stali nierdzewnej z membraną Hastelloy
- Zakresy różnicy ciśnień od 50 mbar do 25 bar
- Dokładność: ≤ 0.2%
- Jednostronne przeciążenie 100 / 250 bar
- Maks. ciśnienie statyczne 100 / 250 bar
- Wyjście analogowe: 4..20 mA, 2-przewodowe



# Przetwornik różnicy ciśnienia PD 41

## Dane techniczne:

| | |
|---|---|
| Zakresy pomiarowe: | 0…50 mbar do 0...25 bar |
| Wyjście: | 4…20 mA, 2-przewodowe<br>zakres sygnału 3.8...20.5 mA |
| Dokładność: | ≤ ± 0.2% FS @ 25°C |
| Histereza: | ≤ ± 0.05% FS |
| Ciśnienie statyczne: | R = 100 bar (przyłącze standardowe)<br>S = 250 bar (przyłącze wysokociśnieniowe) |
| Błąd ciśnienia statycznego: | ≤ ± 0.1% FS/10 bar |
| Czas odpowiedzi: | 200 ms |
| Zasilanie: | 9…30V DC |
| Temperatura otoczenia: | -25...85 °C |
| Temperatura procesu: | -25...120 °C |
| Błąd temperaturowy: | ≤ ± 0.02% FS/K |
| Stabilność długoterminowa: | ≤ ± 0.1% FS (1 rok) |
| Przyłącze: | 1/4-18 NPT, 1.4404 (316L) |
| Membrana: | Hastelloy (C276) |
| Obudowa: | stal nierdzewna 1.4301 (304) |
| Złącze: | złącze EN 175301-803A, IP67<br>złącze M12x1, IP 67<br>złącze Quickon, IP 67<br>złącze Quickon, IP 67 |

Nöding
Meßtechnik

## ΔP-Ranges

| ranges | code | ranges | code |
|---|---|---|---|
| | | -25..0..25 mbar / -2.5..0..2.5 | BE6 |
| 0…50 mbar / 0…5 | PB0 | -50..0..50 mbar / -5..0..5 kPa | BB0 |
| 0…60 mbar / 0…6 | PA9 | -60..0..60 mbar / -6..0..6 kPa | BA9 |
| 0…75 mbar / 0…7.5 | PY1 | -75..0..75 mbar / -7.5..0..7.5 | BY1 |
| 0…100 mbar / 0…10 | P00 | -100..0..100 mbar / -10..0..10 | B00 |
| 0…160 mbar / 0…16 | P01 | -160..0..160 mbar / -16..0..16 | B01 |
| 0…200 mbar / 0…20 | PB1 | -200..0..200 mbar / -20..0..20 | BB1 |
| 0…250 mbar / 0…25 | P02 | -250..0..250 mbar / -25..0..25 | B02 |
| 0...300 mbar / 0…30 | PX5 | -300..0..300 mbar / -30..0..30 | BX5 |
| 0...370 mbar / 0…37 | PY2 | -370..0..370 mbar / -37..0..37 | BY2 |
| 0...400 mbar / 0…40 | P03 | -400..0..400 mbar / -40..0..40 | B03 |
| 0...500 mbar / 0…50 | PB7 | -500..0..500 mbar / -50..0..50 | BB7 |
| 0...600 mbar / 0…60 | P04 | -600..0..600 mbar / -60..0..60 kPa | B04 |
| 0...1 bar / 0…100 | P05 | -1..0..1 bar / -100..0..100 | B05 |
| 0...1.6 bar / 0…160 | P06 | -1.6..0..1.6 bar / -160..0..160 | B06 |
| 0...2 bar / 0…200 | PB3 | -2..0..2 bar / -200..0..200 | BB3 |
| 0...2.5 bar / 0…250 | P07 | -2.5..0..2.5 bar / -250..0..250 | B07 |
| 0...3 bar / 0…300 | PX3 | -3..0..3 bar / -300..0..300 | BX3 |
| 0...4 bar / 0…400 | P08 | -4..0..4 bar / -400..0..400 | B08 |
| 0...5 bar / 0…500 | PF1 | -5..0..5 bar / -500..0..500 | BF1 |
| 0...6 bar / 0…600 | P09 | -6..0..6 bar / -600..0..600 | B09 |
| 0...10 bar / 0…1 M | P10 | -10..0..10 bar / -1..0..1 | B10 |
| 0...16 bar / 0…1.6 M | P11 | -16..0..16 bar / -1.6..0..1.6 | B11 |
| 0...20 bar / 0…2 M | PB5 | -20..0..20 bar / -2..0..2 MPa | BB5 |
| 0...25 bar / 0…2.5 M | P12 | -25..0..25 bar / -2.5..0..2.5 | B12 |
| non-standard range | P99 | non-standard range | B99 |

## Ordering code

**Output signal**
4 4...20 mA 2-wire (signal range 3.8…20.5 mA)

**Range**
Measurement range see table

**Process connection and material**
R standard flange Pmax. 100 bar
1/4-18 NPT, 1.4404
S heavy duty flange Pmax. 250 bar
1/4-18 NPT, 1.4404
M heavy duty flange Pmax. 160 bar
M10, 1.4404

**Sensor seal**
1 FPM (Viton) Standard
3 EPDM
5 Chemraz 505

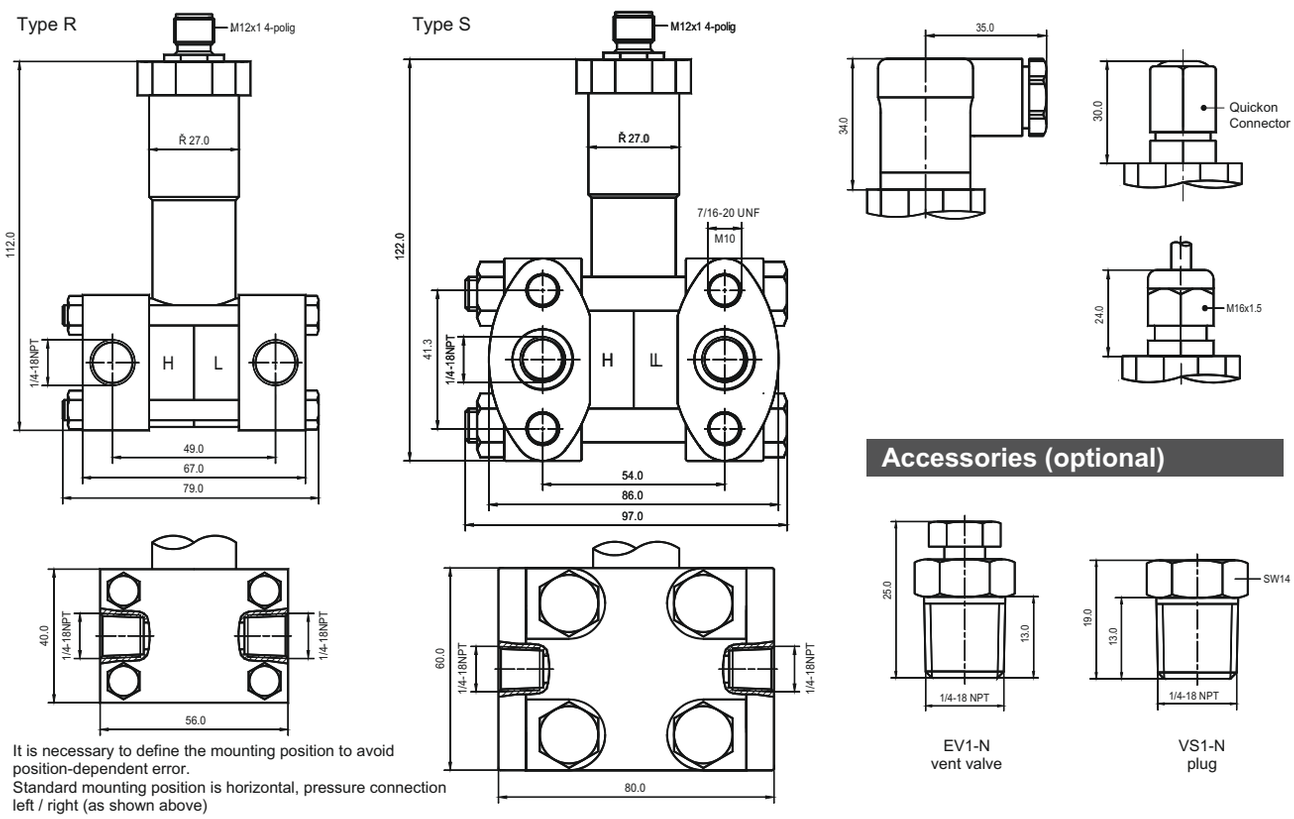
**Electrical connection**
0 5m cable, IP 67
1 connector EN 175301-803A IP 67
6 2m cable, IP 67
A connector M12x1, IP 67
F Quickon-connector IP 67
H 10m cable, IP 67
9 others (on-request)

**Mounting position**
S horizontal pressure connection
L vertical, top low connection
H vertical, top high connection

**Options**
0 none

PD41- [ ][ ] - [ ][ ][ ] - [ ][ ]

## Dimensions (mm)




It is necessary to define the mounting position to avoid position-dependent error.
Standard mounting position is horizontal, pressure connection left / right (as shown above)

## Accessories (optional)

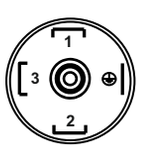



EV1-N
vent valve

VS1-N
plug

## Electrical connections

**connector EN175301-803A**




4...20 mA 2-wires
PIN1 Signal +
PIN2 Signal –

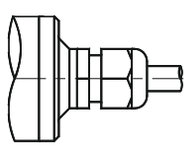
**Quickon connector**

4...20 mA 2-wires
PIN1 Signal +
PIN2 Signal –

**connector M12, 4-polig**

4...20 mA 2-wires
PIN1 Signal +
PIN3 Signal –

**cable connection**



4...20 mA 2-wires
brown Signal +
white Signal –

Modifications reserved without notice 11.11

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