

Pressure Measurement

Transmitters for basic requirements

SITRANS P250 for differential pressure

1

Selection and Ordering data

Article No.

Order code

SITRANS P 250 pressure transmitter for differential pressure

7MF1641-

0-

0

0

Accuracy ≤ 1 %, wetted parts ceramic/stainless steel 1.4301,
scope of delivery: transmitter, mounting bracket and instruction manual, without explosion protection

Measuring range

0 ... 0.1 bar (0 ... 40.19 inH₂O)

3AA

0 ... 0.2 bar (0 ... 80.37 inH₂O)

3AC

0 ... 0.25 bar (0 ... 100.46 inH₂O)

3AD

0 ... 0.3 bar (0 ... 120.56 inH₂O)

3AE

0 ... 0.4 bar (0 ... 160.74 inH₂O)

3AF

0 ... 0.5 bar (0 ... 201.0 inH₂O)

3AG

0 ... 0.6 bar (0 ... 241.0 inH₂O)

3AH

0 ... 1.0 bar (0 ... 402.0 inH₂O)

3BA

0 ... 1.6 bar (0 ... 643.0 inH₂O)

3BB

0 ... 2.5 bar (0 ... 1005.0 inH₂O)

3BD

0 ... 4.0 bar (0 ... 1607.0 inH₂O)

3BE

0 ... 6.0 bar (0 ... 2411.0 inH₂O)

3BG

0 ... 10.0 bar (0 ... 4019.0 inH₂O)

3CA

0 ... 16.0 bar (0 ... 6430.0 inH₂O)

3CB

0 ... 25.0 bar (0 ... 10046 inH₂O)

3CD

Other version, add Order code and plain text (Note: smallest possible span 100 mbar (40.19 inH₂O))

Output signal

4 ... 20 mA



0

0 ... 5 V DC

1

0 ... 10 V DC

2

Electrical connection

Plug acc. to EN 175 301-803-A (suitable coupling included in scope of delivery)



1

Round connector acc. to EN 60139-9

2

Cable 1.5 m with cable gland

3

Process connection

Without connections, female thread 1/8-27 NPT



A

Hose connection

• Brass nickel-plated, for hose Ø 4 mm

B

• Brass nickel-plated, for hose Ø 6 mm

C

• PVDF, for hose Ø 6 mm

D

Pipe union

• Brass nickel-plated, for pipe Ø 6 mm

E

• Stainless steel 1.4304, for pipe Ø 6 mm

F

• Brass nickel-plated, for pipe Ø 8 mm

G

• Stainless steel 1.4304, for pipe Ø 8 mm

H

Male thread, 7/16-20 UNF (Brass nickel-plated)

L

Adapter

• Inner, G1/8 (stainless steel), for pipe Ø 6 mm

M

• Outer, G1/8 (Brass nickel-plated), with union nut, for pipe Ø 6 mm

N

Sealing material

Fluoro rubber (Viton/FPM)



A

Ethylene propylene diene monomer rubber (EPDM)

B

Nitrile butadiene rubber (NBR)

C

Silicone rubber (MVQ)

D

Neoprene (CR)

E

Further designs

Order code

Please add '-Z' to Article No. and specify Order code(s).

Quality inspection certificate (factory calibration) to IEC 60770-2

C11

▶ Available ex stock

◆ We can offer shorter delivery times for configurations designated with the Quick Ship Symbol ◆. For details see page 9/5 in the appendix.