

Pressure Measurement

Pressure transmitters

Single-range transmitters for general applications

1

SITRANS P220 for gauge pressure

Selection and ordering data

SITRANS P 220 pressure transmitters for gauge pressure, high-pressure and refrigeration applications, fully-welded version

Accuracy typ. 0.25 %

Wetted parts materials: stainless steel

Non-wetted parts materials: stainless steel

Process connection

G $\frac{1}{2}$ " male per EN 837-1 ($\frac{1}{2}$ " BSP male) (standard for metric pressure ranges mbar, bar)

G $\frac{1}{2}$ " male thread and G $\frac{1}{8}$ " female thread

G $\frac{1}{4}$ " male per EN 837-1 ($\frac{1}{4}$ " BSP male)

7/16"-20 UNF male

$\frac{1}{4}$ "-18 NPT male (standard for pressure ranges inH₂O and psi) *

$\frac{1}{4}$ "-18 NPT female

$\frac{1}{2}$ "-14 NPT male

$\frac{1}{2}$ "-14 NPT female (Only for measuring ranges \leq 60 bar (870 psi))

7/16"-20 UNF female

M20x1.5 male

G $\frac{1}{4}$ " to DIN 3852 Form E

G $\frac{1}{2}$ " to DIN 3852 Form E

Special version

Version

Standard version *

Further designs

Supplement the Article No. with "-Z" and add Order code.

Quality test certificate, 5-point factory calibration (IEC 60770-2) (not possible for measuring ranges > 0 ... 600 bar/0 ... 8 702 psi)

Oxygen version, free of oil and degreased (not in conjunction with explosion protection version)

With CRN and cCSA_{US} Ex approval (only for measuring ranges 0 ... 30 psi bis 0 ... 8 700 psi)

* Order code E21 required for complete configuration with CRN and cCSA_{US} Ex approval..

Article No. Order code

7MF 1 5 6 7 - - - - - A

A
B
C
D
E
F
G
H
J
P
Q
R
Z P 1 Y

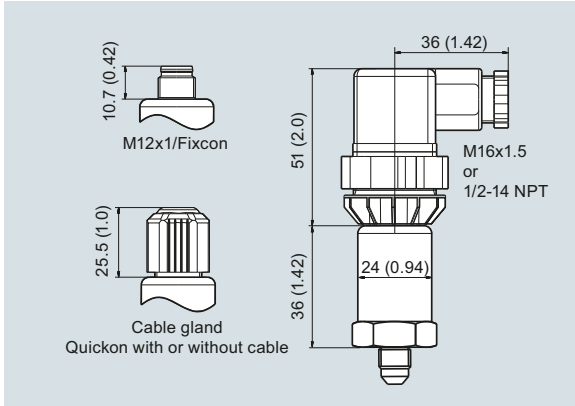
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C11

E10

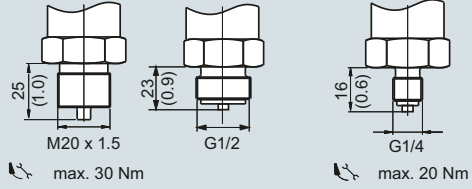
E21

Dimensional drawings

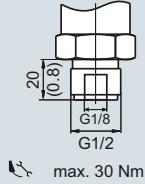


SITRANS P220, electrical connections, dimensions in mm (inch)

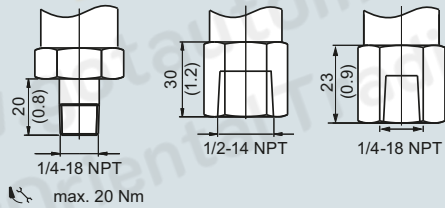
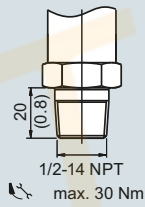
Gasket with flat sealing ring as on process connection*



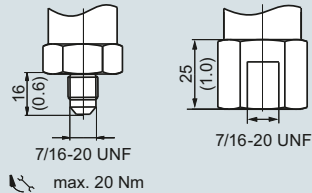
Gasket with sealing ring on flange below hexagon*



Gasket with sealing tape in threading*



Gasket with sealing cone in process connection



* Not included in product package

SITRANS P220, process connections, dimensions in mm (inch)

Pressure Measurement

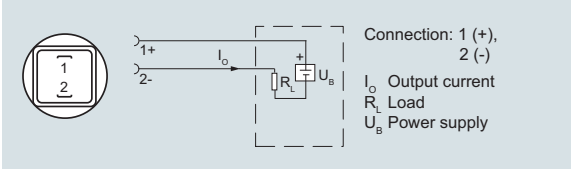
Pressure transmitters

Single-range transmitters for general applications

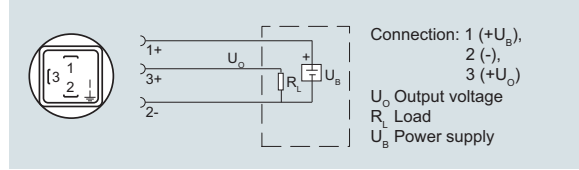
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SITRANS P220 for gauge pressure

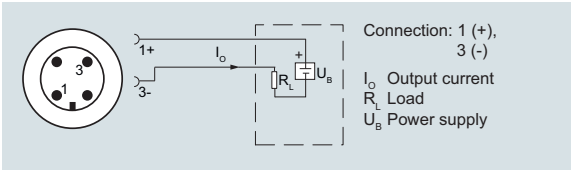
Schematics



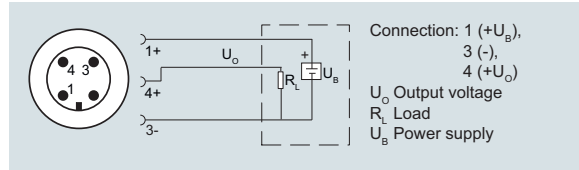
Connection with current output and connector per EN 175301



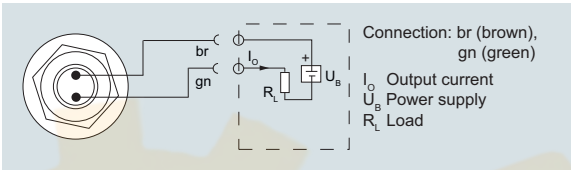
Connection with voltage output, ratiometric output and plug according to EN 175301



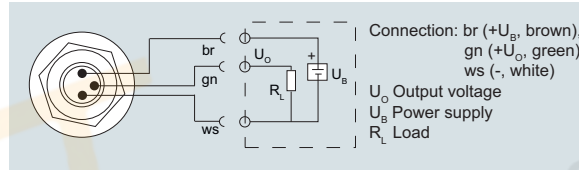
Connection with current output and device plug M12x1



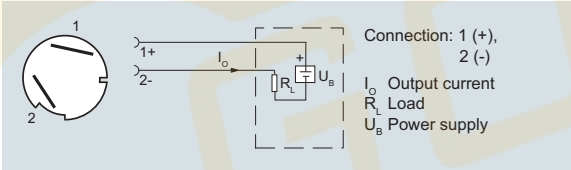
Connection with voltage output, ratiometric output and device plug M12x1



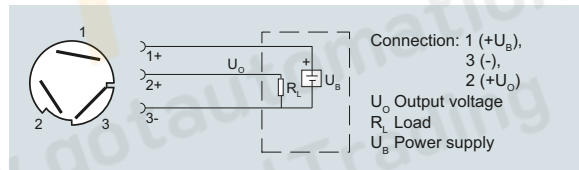
Connection with current output and cable



Connection with voltage output, ratiometric output and cable



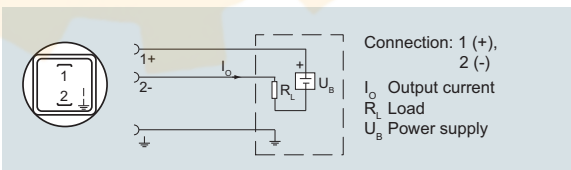
Connection with current output and cable quick screw connection Quickon



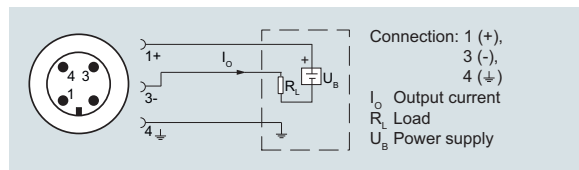
Connection with voltage output, ratiometric output and Quickon fast cable termination

Version with explosion protection: 4 ... 20 mA

The grounding connection is conductively bonded to the transmitter enclosure



Connection with current output and connector per EN 175301 (Ex)



Connection with current output and device plug M12x1 (Ex)

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