

7MF1564 Pressure Sensor

Benefits

- High measuring accuracy, 0.25% of full scale typical
- Aggressive and non-aggressive media
- Measures the pressure of liquids, gasses and vapor
- Compact design

Design

- Stainless steel housing
- Stainless steel process connection
- Ceramic measuring cell and electronics module
- Temperature-compensated cell has a thin-film strain gauge mounted on a ceramic diaphragm
- Electrical connection 1/2" -14 NPT conduit
- The output current /voltage are linearly proportional to the input pressure



Ordering data

7MF15644ppx03EA1 (see Options)

Base part number specifies:

- Sitrans pressure transmitter
- Stainless steel Nema 4 housing
- Plug connector with a cable inlet
- Process connection 1/4"-18 NPT
- Vitron internal sealing material between sensor and housing

Options:

pp two letters specifying the pressure range (Detailed in the chart below)

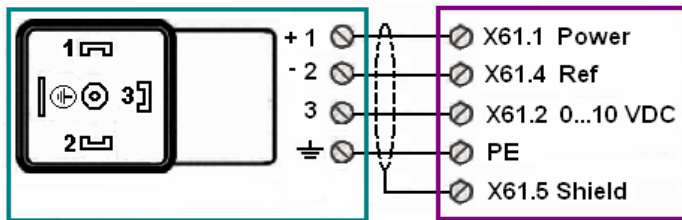
x one number specifies output signal

0 = 4...20 mA power supply 10...36 VDC

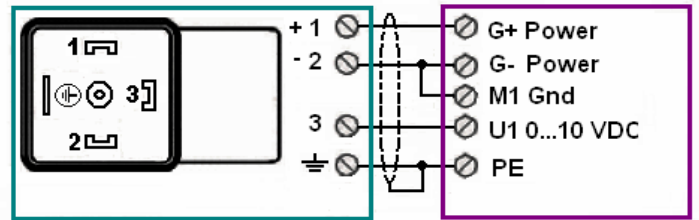
1 = 0...10 VDC

Pressure Range	4...20 mA 7MF1564 Series	0...10 Vdc 7MF1564 Series	0...10 Vdc Obsolete QBE620 Series	0...10 Vdc Obsolete QBE2000 Series
0-15 psi	7MF15644BB003EA1	7MF15644BB103EA1	QBE620-P1	QBE2000-P1
0-30 psi	7MF15644BE003EA1	7MF15644BE103EA1	N/A	N/A
0-60 psi	7MF15644BF003EA1	7MF15644BF103EA1	N/A	QBE2000-P4
0-74 psi	N/A	N/A	QBE620-P5	N/A
0-150 psi	7MF15644CA003EA1	7MF15644CA103EA1	QBE620-P10	QBE2000-P10
0-200 psi	7MF15644CB003EA1	7MF15644CB103EA1	N/A	N/A
0-235 psi	N/A	N/A	QBE620-P16	QBE2000-P16
0-300 psi	7MF15644CD003EA1	7MF15644CD103EA1	N/A	QBE2000-P20
0-362 psi	N/A	N/A	QBE620-P25	N/A
0-588 psi	N/A	N/A	QBE620-P40	QBE2000-P40

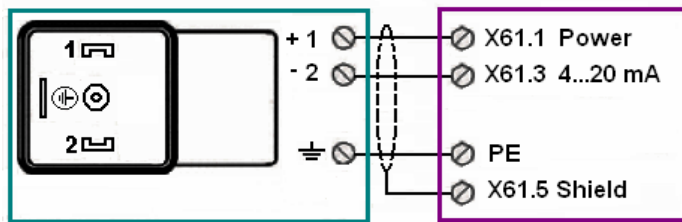
Schematics



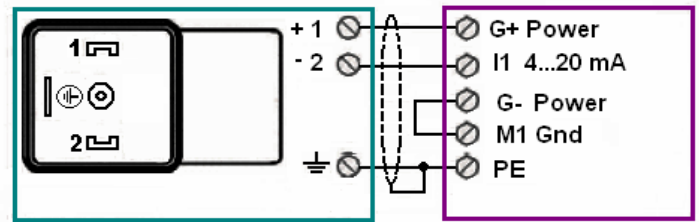
0...10 VDC 7MF1564 0...10 VDC LMV5...



0...10 VDC 7MF1564 0...10 VDC RWF40...



4...20 mA 7MF1564 4...20 mA LMV5...



4...20 mA 7MF1564 4...20 mA RWF40...

SIEMENS

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