

# 7MF156x Pressure Sensor Rev Sep 2011

## 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" NPT
- The output current /voltage are linearly proportional to the input pressure



## Ordering data

**7MF1565x pp x 05EA1** (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)

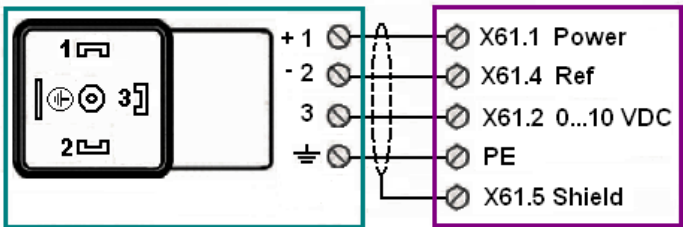
**x** one number specifies output signal

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

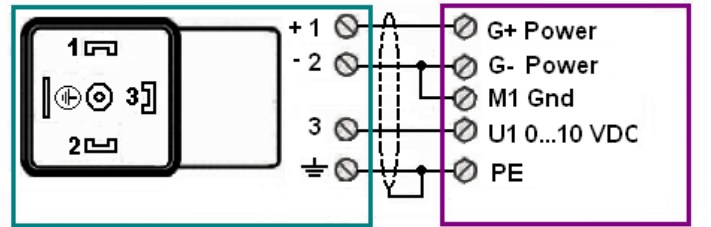
**1** = 0...10 VDC

Pressure Range	4...20 mA 7MF1565	0...10 Vdc 7MF1565	4...20 mA Obsolete 7MF1564	0...10 Vdc Obsolete 7MF1564	0...10 Vdc Obsolete QBE620	0...10 Vdc Obsolete QBE2000
0-15 psi	7MF15654BB005EA1	7MF15654BB105EA1	7MF15644BB003EA1	7MF15644BB103EA1	QBE620-P1	QBE2000-P1
0-30 psi	7MF15654BE005EA1	7MF15654BE105EA1	7MF15644BE003EA1	7MF15644BE103EA1	N/A	N/A
0-60 psi	7MF15654BF005EA1	7MF15654BF105EA1	7MF15644BF003EA1	7MF15644BF103EA1	N/A	QBE2000-P4
0-74 psi	N/A	N/A	N/A	N/A	QBE620-P5	N/A
0-100 psi	7MF15654BG005EA1	N/A	N/A	N/A	N/A	N/A
0-150 psi	7MF15654CA005EA1	7MF15654CA105EA1	7MF15644CA003EA1	7MF15644CA103EA1	QBE620-P10	QBE2000-P10
0-200 psi	7MF15654CB005EA1	7MF15654CB105EA1	7MF15644CB003EA1	7MF15644CB103EA1	N/A	N/A
0-235 psi	N/A	N/A	N/A	N/A	QBE620-P16	QBE2000-P16
0-300 psi	7MF15654CD005EA1	7MF15654CD105EA1	7MF15644CD003EA1	7MF15644CD103EA1	N/A	QBE2000-P20
0-362 psi	N/A	N/A	N/A	N/A	QBE620-P25	N/A
0-500 psi	7MF15654CE005EA1	7MF15654CE105EA1	7MF15644CE003EA1	7MF15644CE103EA1	N/A	N/A
0-588 psi	N/A	N/A	N/A	N/A	QBE620-P40	QBE2000-P40

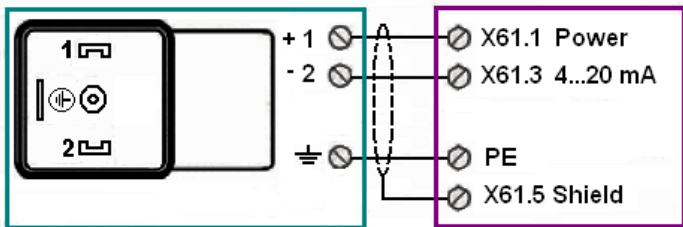
## Schematics



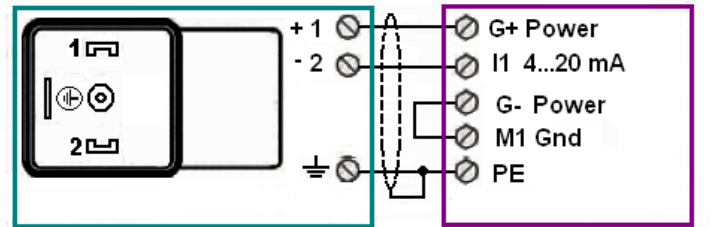
0...10 VDC 7MF156x 0...10 VDC LMV5...



0...10 VDC 7MF156x 0...10 VDC RWF40...



4...20 mA 7MF156x 4...20 mA LMV5...



4...20 mA 7MF156x 4...20 mA RWF40...