Engineering Specifications

P4 Series Dry Pressure

1. The sensor shall measure the differential fluid pressure between two ports.
2. The sensor shall be compatible with dry air.
3. The sensor shall be compatible with N2
4. The sensor shall meet CE and RoHS requirements.
5. The sensor shall operate in ambient environments between -20 and +50°C
6. The sensor shall operate in a humidity range from 0-95% non-condensing
7. The sensor shall operate with the supply voltage of 12-30VDC or 24VAC for 3 wire voltage and current output
8. The sensor shall operate in current mode when connected to a 2-wire loop system supplying 12-30VDC.
9. The sensor shall be capable of 0-5/0-10V output signal.
10. The sensor shall be capable of 4-20mA output signal.
11. The sensor shall have an optional LCD screen that displays the pressure differential
12. The sensor shall for customer ordering option of unidirectional or bidirectional mode.
13. The sensor shall have a red blinking LED to indication over pressure.
14. The sensor shall allow for field calibration of zero pressure.
15. The sensor shall be non-position sensitive.
16. The sensor shall have an accuracy of 1.0% of selected range (combined linearity and hysteresis)
17. The sensor shall be available in NIST calibrated 0.25% and 0.5% accuracy ranges.
18. The sensor shall be MEMS silicon piezoresistive; precision calibrated.
19. The sensor shall have a max of 1% zero drift per year.
20. The sensor shall be available to be duct mounted.
21. The product shall be able to be mounted on din rail on the side and back of product.
22. The sensor shall support connection to ¼” ID tubing.
23. The sensor shall support connection to 1/8” ID tubing.
24. The sensor electronics shall have a 7-year warranty.
25. The sensor shall be manufactured in the USA.
26. The sensor shall be manufactured by Senva.