

The **RemoteDP** is the ideal solution for highly accurate measurement of low differential pressure in cleanroom environments, hospitals, laboratories, and the pharmaceutical industry.

The Remote DP Sensor is suitable for air as well as non-flammable and non-aggressive gases.

The Remote DP Sensor offers  $\pm 0.5$  Pa accuracy over the entire measurement range. The measured data is available on the analog voltage and current outputs.

The enclosure is IP65/NEMA, protecting the electronics against construction site damage and pollution.

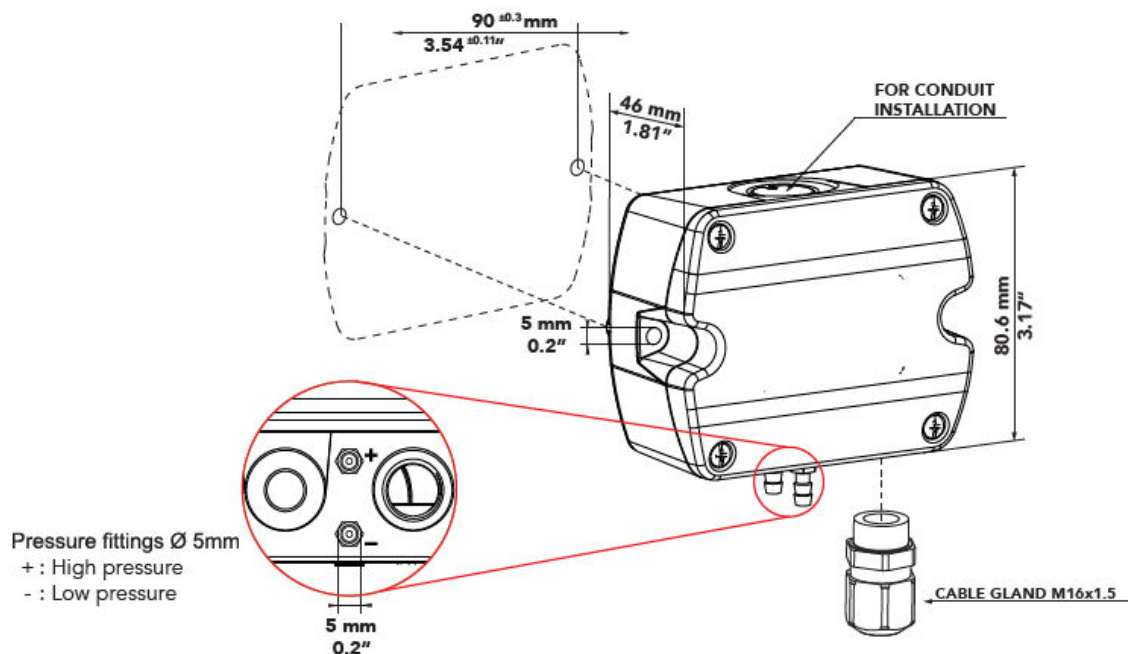
## Features

- Multi-range measurement
- Smooth Cover and Cleanroom Friendly
- Simple on-site installation
- Long Term Sensor Stability
- Bayonet Screws for Easy Access 1/4 Turn Rotation
- IP65/NEMA enclosure
- 2 year warranty



# Remote DP

DIFFERENTIAL PRESSURE SENSOR



| Features / Models             | Remote DP                                                                    |
|-------------------------------|------------------------------------------------------------------------------|
| Measurement principle         | Piezoresistive, no flow-through                                              |
| Measurement range             | $\pm 25 / \pm 50 / \pm 100$ Pa ( $\pm 0.1 / \pm 0.2 / \pm 0.4$ inch WC)      |
| Accuracy at 20 °C (68 °F)     | $\pm 0.5$ Pa = $\pm 0.5$ % Full Scale                                        |
| Response time t90             | 50 ms / 500 ms / 2 s / 4 s selectable with DIP switches                      |
| Temperature dependency        | 0.03Pa / K                                                                   |
| Long-term stability           | < 0.5 Pa / year                                                              |
| Overload limits               | $\pm 7000$ Pa ( $\pm 28$ inch WC)                                            |
| Analog outputs                | 0-5 V or 0-10V and 0-20 mA or 4-20 mA (3-wire)                               |
| Power supply                  | 15 - 35 V DC or 24V AC $\pm 20\%$                                            |
| Current consumption           | 23 mA at 0 Pa / 24 V DC                                                      |
| Electrical connection         | Spring terminals max. 1.5 mm <sup>2</sup> (AWG 16)                           |
| Cable gland                   | M16x1.5                                                                      |
| Electromagnetic compatibility | EN61326-1, EN61326-2-3                                                       |
| Housing material              | Polycarbonate, UL94V-0                                                       |
| Protection class              | Enclosure IP65 / NEMA4                                                       |
| Working humidity and          | Relative Humidity 0...95 % RH (non-condensing)                               |
| Temperature ranges            | Operation: -20 ... +60 °C (-4...140°F) Storage: -40 ... +70 °C (-40...158°F) |



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