

Technical Datasheet

DIFFERENTIAL PRESSURE TRANSMITTER PLX DPT 50



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Differential pressure transmitters from the PLX DPT 50 series are designed for building automation in the HVAC/R sector. The most cutting-edge transmitters available today measure static and differential pressure and have a single device with field-selectable units, range, and output. multiple measurement units, jumper-controlled field selection, including: psi, inchWC, mmWC, mbar, kPa, and mbar.

- 8 measurement ranges that can be chosen in the field, either unidirectionally or bidirectionally (see Model Summary).
 - Options for proportional output include voltage (0–10 V and 2–10 V), as well as current (4–20 mA).
- A reasonably priced differential pressure transmitter performance ratio for air cooling applications ventilation engineering. Excellently suited for the differential is the Polwax PLX DPT 50. pressure-based air filter, fan, and air quality monitoring flow, for a comfortable environment and maximum energy effectiveness

Features

- **Differential pressure measurement in the region of 100 Pa to 2 Bar**
- **Isolation between outputs:**
- **Available with and without display**
- **Assurances of high accuracy, irrespective of temperature, and long-term stability**



Universal Design

The universal design of the Polwax PLX DPT 50 provides the user complete flexibility to make adjustments on the job site. The field programmable range, mounting options (DIN Rail, wall mount, and duct mount), output options (mA or Volt), and engineering unit are all available to the user (W.C. or Pascals). Because of its adaptability, Polwax can be used by the contractor for all of their requirements.





Technical Details

Accuracy (from applied pressure)	Pressure < 125 Pa = 1 % + ± 2 Pa
(Model PLXDPT250 to 2500)	Pressure > 125 Pa = 1 % + ± 1 Pa
Accuracy (from applied pressure)	Pressure < 125 Pa = 1.5 % + ± 2 Pa
(Model PLXDPT7000)	Pressure > 125 Pa = 1.5 % + ± 1 Pa
Zero Point Calibration	Automatic with autozero element (-AZ) or by pushbutton
Measuring Units	Pa, kPa, mbar, inchWC, mmWC, psi
Measuring Element	MEMS, no flow-through
Supply Voltage	24 VDC ± 10 % / 24 VAC ± 10 %
Power Consumption	< 1.0 W (< 1.2 W with output current 20 mA)
Output Signals (3-wire)	0/2...10 VDC
	4...20 mA
Operating Temperature	-20...50 °C (with autozero calibration -5...50 °C)
	-40...50 °C (-40C model)
Response Time	0.8 / 8 s
Protection Standard	IP54



POLWAX Group has got an experienced, highly-qualified project team conducting extensive R&D operations. Owing to that, goods holding the POLWAX brand feature customer-tailored flexibility and meet requirements of various industries.

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