

# Technical Datasheet

## DIFFERENTIAL PRESSURE TRANSMITTER DPT 50 / DPT 100



# DIFFERENTIAL PRESSURE TRANSMITTER PLX DPT 50 / DPT 100

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 ) as well as current (4-20 mA).

A reasonably priced differential pressure transmitter performance ratio for air cooling applications ventilation engineering.

Excellent 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

- **Easy to Install and suitable for Panel Mounting**
- **Easy to configured via USB Interface**
- **Output Signal : 4 - 20 mA / 0 - 10 V**
- **Eight selectable units**
- **Protection Rating: IP65 for outdoor and harsh environment use**

## 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

<b>Media compatibility :</b>	Air, non combustible, non corrosive gases
<b>Measuring Range</b>	0-25Pa / 0-100Pa / 0-1000Pa / 0-2500Pa / 0-4000Pa ( Configurable )
<b>Accuracy (from applied pressure)</b>	0.25 % / 0.5 % of FS
Output	4-20mA (std.) / 0 -10 V ( Optional )
<b>Communication</b>	RS485 Modbus RTU
Measuring Units	Pa, kPa, mbar, inchWC, mmWC, psi
<b>Signal Connection</b>	3 Wire
Load Resistance	47 to 470 $\Omega$ @ 24 VDC
Supply Voltage	12 - 24 VDC
Operating Temp.	10° to 60°C
<b>Storage Temp</b>	10° to 80°C
Pressure Limit	1 PSI Maximum
<b>Switch</b>	Digital push button.
Enclosure	ABS
<b>Protect Rating</b>	IP65
Electrical Connections	Screw terminals
<b>Process Connection</b>	Push on connection for 3/16" ID tubing
Weight	70 Gram
<b>Response Time</b>	500 ms



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.

### **Polwax International Co.**

Contrada De Angelis 953,  
Piano 1, Giordano laziale, KR 11432 Italy  
export@polwax.it  
www.polwax.it

#### **Poland**

Apt. 324 al. Modzelewski 9940,  
Sedziszów Małopolski, ZP 44-153  
www.global.polwax.it

#### **Philippines**

40769 Wisoky Route Suite 979  
www.global.polwax.it

#### **Vietnam**

Subida Marilu, 86,  
Cornellá de Llobregat, Ext 27926  
www.global.polwax.it

#### **Norway**

Kr Bikerlands gate 77,  
Porsgrunn, 3936  
www.global.polwax.it

#### **India**

A12/45, sector - 2 Bharti Vidyapeeth Marg,  
CBD Belapur, Navi Mumbai - 400615  
Maharashtra, India  
www.polwax.in

