

QUICK START GUIDE

DPT-100 Pressure & Flow Transmitter

INSTALLATION PROCEDURE

STEP 1: UNPACKING

PACKING LIST

- DPT-100 Transmitter
- Quick Start Guide
- (4) Mounting Screws

INSPECTION & HANDLING

DPT-100 should be carefully inspected for damage prior to Installation. Report damage to your freight department or contact the delivery carrier.

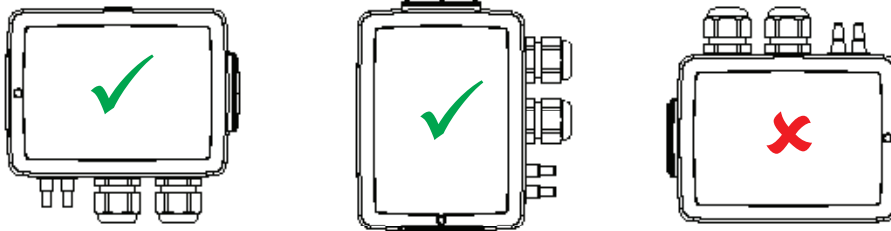
WARRANTY

Air Monitor Corporation (Hereinafter referred to as "Seller") warrants that at the time of shipment, products sold pursuant to this contract will be free from defects in materials and workmanship, and will conform to the specifications furnished or approved in writing by the Seller. Please refer to Conditions of Sale on the Air Monitor website for more information.

STEP 2: MECHANICAL INSTALLATION

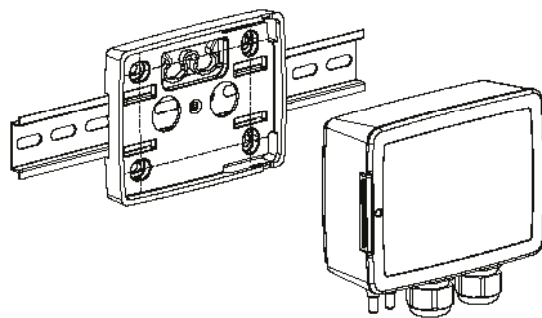
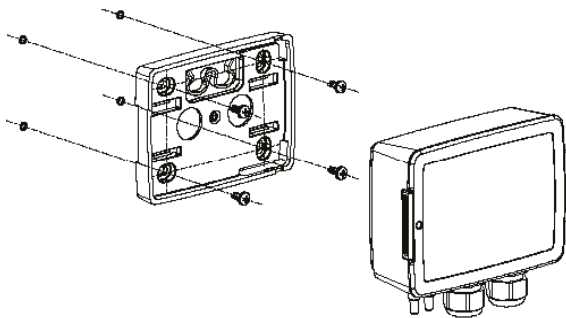
Find an easily accessible location where electrical connections can be made and display readings can be taken from the floor level.

Please ensure the proper instrument orientation before mounting, see diagrams below.



Wall/Duct Mounting

DIN Rail Mounting



Separate the mounting plate from the case and use the screw holes as drilling templates. Use a 9/64" or 3.8 mm drill bit. Then use the provided fastening screws to mount the transmitter.

Snap the transmitter onto the DIN rail.

Install the pressure or flow sensor per manufacturer recommendations. Use 1/4 inch or 6 mm inner diameter tubing with lengths up to 100 ft. to connect to the transmitter.

Visit the DPT-100 product page for
more information.



Air Monitor
Precision Airflow Measurement
An ONICON Brand

Diagram illustrating the connection of a DP sensor to the Air Monitor. The Air Monitor (DPT-100) displays Pressure & Flow Transmitter. The DP sensor is connected to the Air Monitor via two ports: High Pressure (+) and Low Pressure (-). The connection is made by connecting the High Pressure port of the Air Monitor to the High Pressure side of the DP sensor, and the Low Pressure port of the Air Monitor to the Low Pressure side of the DP sensor.

- I. Verify that the AC or DC connection at the power supply input terminals are per the diagram above. We recommend using a 20 AWG, shielded, two twisted-pair (4-conductor) cable with an overall outside diameter of 0.23–0.51 in. for the power and analog signal wiring. PLTC 82-300-55 or an equivalent cable is recommended.
- II. Input voltages should be supplied via one of the two methods below:
 - 1.7W @ 24 VDC
 - 2.5VA @ 24 VAC

I. The signal and common ground terminals provide 4-20mA, 0-5V, 0-10V, or 2-10V signal for each output.

