

DIFFERENTIAL PRESSURE TRANSMITTERS

WITH AIR FLOW MEASUREMENT AND MODBUS COMMUNICATION

NEW!



DPT-MOD

DPT-MOD is a multifunctional transmitter for measuring volume flow, velocity, and static and differential pressure. The measurements can be read and the configuration done via Modbus communication. DPT-MOD requires less wiring than the traditional 3-wire transmitters because multiple devices can be connected on serial line.

USAGE & APPLICATIONS

The DPT-MOD is used for measuring air flow or low pressures of air and non-combustible gases in order to monitor and control building automation, HVAC and cleanroom systems. It can also be used with several different measurement probes such as FLOXACT™ or pitot tube, and air dampers.

TECHNICAL DETAILS

Communication:	RS-485 Modbus (RTU)
Accuracy (from applied pressure): (models 250 and 2500)	Pressure < 125 Pa = 1 % + ±2 Pa Pressure > 125 Pa = 1 % + ±1 Pa
Accuracy (from applied pressure): (model 7000)	Pressure < 125 Pa = 1.5 % + ±2 Pa Pressure > 125 Pa = 1.5 % + ±1 Pa
Zero point calibration:	automatic with autozero element (-AZ), by pushbutton or via Modbus
Measuring units:	Pressure: Pa, kPa, mbar, inchWC, mmWC, psi Flow: m3/s, m3/hr, cfm, l/s, m/s, ft/min
Supply voltage:	24 VAC ±10 % / 24 VDC ±10 %
Power consumption:	< 1.0 W
Output signal:	via Modbus
Response time:	1.0–20 s, selectable via menu or via Modbus
Operating temperature:	-10...+50 °C (with autozero calibration -5...+50 °C)
Protection standard:	IP54

**ALL-IN-ONE TRANSMITTER:
MEASURE VOLUME FLOW,
VELOCITY AND DIFFERENTIAL
PRESSURE**

DPT-MOD

Example: DPT-MOD-2500-AZ-D	Product series DPT	Differential pressure transmitter
	Model type -MOD	Modbus communication
	Measuring ranges (Pa)	-2500 -250...2500 -7000 -250...7000
	Zero point calibration	-AZ With autozero calibration Standard with pushbutton manual zero point calibration
	Display	-D With display
Model	DPT -MOD -2500 -AZ -D	



**NOW AVAILABLE WITH AIR
FLOW MEASUREMENT AND
AUTOZERO CALIBRATION**