DATA SHEET

piD-POD
FLOW- THROUGH piD-TECH® ENCLOSURE

Flexibility for Monitoring Total VOC's in Your Current Environment or a Remote Area

Permits smooth integration of a PID into existing gas montoring instrumentation

The piD-POD® from AMETEK MOCON – Baseline allows for sample flow path integration of a piD-TECH® eVx photoionization sensor into existing gas monitoring instrumentation without extensive engineering expense. Since a photoionization detector (PID) does not destroy the sample, the piD-POD is a direct way for OEMs to provide a total volatile organic compound (TVOC) measurement into their instrument design.

Compact and economical, the piD-POD has no moving parts and consists of a cylindrical housing which accommodates the piD-TECH® eVx photoionization sensor and inlet/outlet sample ports. It is engineered for inlet flows of up to 300 cc/min. and comes equipped with a PCB-mounted connector with mating adapter. The piD-POD utilizes the AMETEK MOCON - Baseline line of piD-TECH® eVx sensors, allowing the user to choose the desired sensitivity and lamp energy for the application.

Applications

- Incorporates into gas monitoring instrumentation that requires the sensitivity of photoionization detectors
- Low dead volume sealed design

Features & Benefits

- Maintains all of the performance specifications of the piD-TECH® eVx photoionization sensor
- Cap threaded for easy mounting
- 1/4-28 UNF sample inlet/outlet ports
- PCB mounted connector with mating connector included
- piD-TECH eVx sensors sold separately, allowing user to chose sensitivity and lamp energies

Specifications

Part No.	043-370
Inlet Pressure	0 to 60 psi
Inlet Flow	0 to 300 cc/min
Power	3.2 to 5.5 V DC
Output	0 to 2.5 V DC*
Weight	40 g (1.41 oz) with PID sensor

** per piD-TECH® eVx specifications (piD-TECH eVx sensor not included)*

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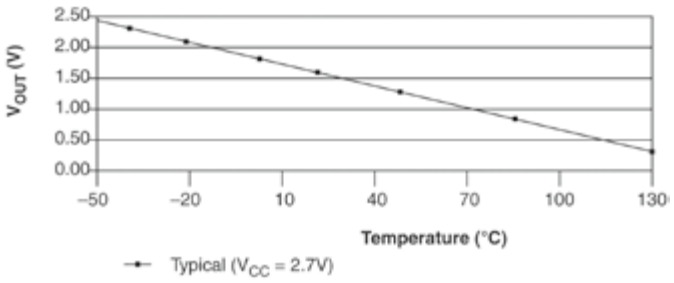
Temperature Characteristics

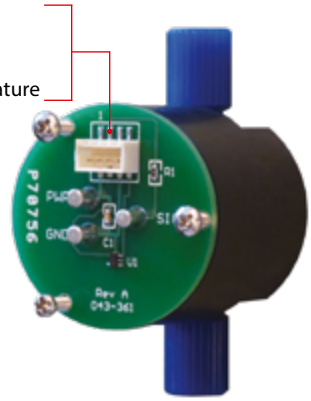
For additional information refer to STLM20 specifications. To determine the temperature, use the voltage in the following equation:

$$T = -1481.96 + \sqrt{2.1962 \times 10^{6} + \frac{(1.8639 - V_O)}{3.88 \times 10^{-6}}}$$



Mating and Connector Pins

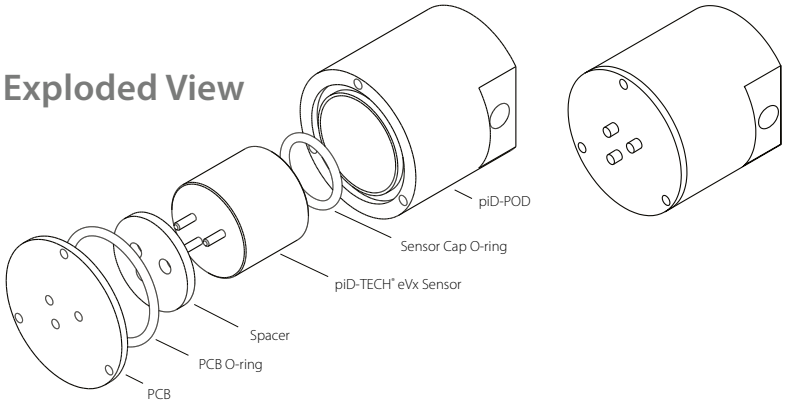
Pin 1: Power
Pin 2: Signal
Pin 3: Ground
Pin 4: Temperature



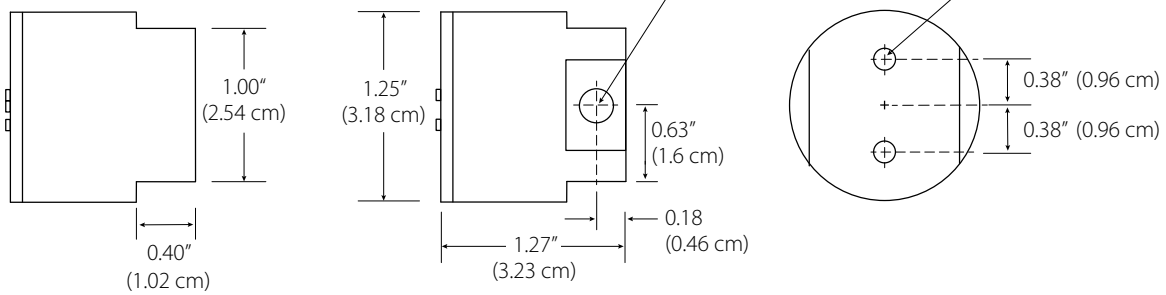
Includes:

- Connector, Housing Receptacle, 4 Position Rectangular, Natural 0.059" (1.50 mm) [Digi-Key P/N: A99970-ND]
- Socket, Contact Crimp, 24-30 AWG Tin [Digi-Key P/N: A99967CT-ND (qty 4)]

Exploded View



Dimensions



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MOCON, Inc. North America is ISO 9001:2015 certified. Certificate No: 216208-2017-AQ-USA-ANAB