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:





Mating and Connector Pins

Pin 1: Power Includes: Pin 2: Signal Connector, Housing Receptacle, 4 Position Rectangular, Natural 0.059 Pin 3: Ground (1.50 mm) [Digi-Key P/N: A99970-ND] Pin 4: Temperature Socket, Contact Crimp, 24-30 AWG Tin [Digi-Key P/N: A99967CT-ND (qty 4)] **Exploded** View Ø DD piD-POD Sensor Cap O-ring piD-TECH[®] eVx Sensor 0 0 0 Space PCB O-ring PCB 1/4-28 UNF 2 x 6-32 UNC **Dimensions** 0.38" (0.96 cm) 1.00" 1.25" (2.54 cm) (3.18 cm) 0.63″ 0.38" (0.96 cm) Æ (1.6 cm) 0.18 (0.46 cm) 1.27 0.40' (3.23 cm) (1.02 cm) AMETEK MOCON - Baseline 19661 Highway 36 PO Box 649 Lyons, CO 80540 USA PROCESS & ANALYTICAL INSTRUMENTS T: +1 303.823.6661 BASELINE www.baseline-mocon.com

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