



ION SENSE® PID 10.6 eV 4000

PRELIMINARY SPECIFICATION



Key Features

- >15,000 Hour Filter Lifetime
- >15,000 Hours Lamp Life
- Anti-Contamination Design
- Humidity Resistant
- Low Cost of Ownership
- Serviceable Electrode Stack and Lamp

Typical Applications

- Industrial Health and Safety
- Confined Space Entry
- Soil Contamination and Remediation
- Leak Detection and Repair
- Survey
- LEL Measurement
- Process Control

Performance

Minimum Detection Limit	100 ppb
Range	>4000 ppm
T90 Response Time (S)	≤3 s
Sensitivity	>0.55 mV/ppm



Power & Signal

Supply Voltage	3.2-5.0 V for full sensitivity
Current	30 mA continuous, <50 mA transient 10 ms
Power Consumption	3.2 V = <100 mW
Output Signal (using a regulated power supply)	50 mV - 3.05 V

Relative Humidity Range

Temperature Range	-40 to +65 °C
Relative Humidity Range	0 - 99% RH (non-condensing)
Pressure Range	800-1200 mBar

Lifetime & Warranty

Sensor Life	>5 years
Lamp & Filter Life	15,000 hours
Warranty	PID Body = 24 months

Order Code

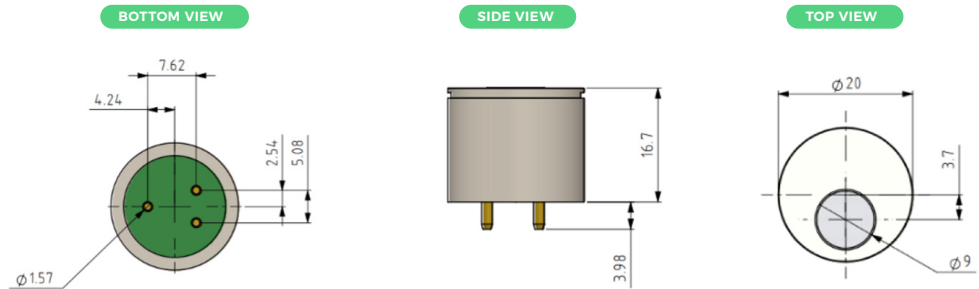
ISPID1N4K6AX



Supply Voltage

3.0 V to 5 V

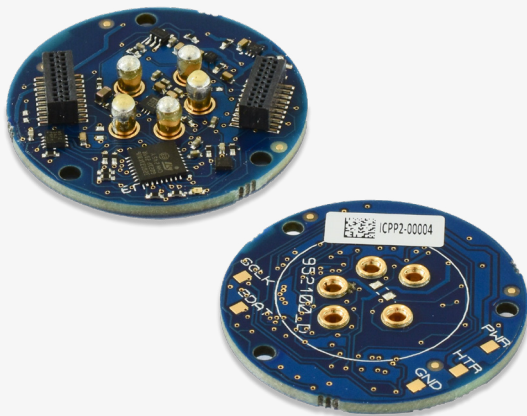
Drawings



ION CONNECT Kit

ION CONNECT supports both UART and I2C communication protocols, allowing flexible integration into a wide range of applications. Associated ION PC software allows you to easily calibrate, set alarm thresholds, set response factors and more.

Optimised for both diffused and impressed flow sampling methods. ION CONNECT Kit is compatible with a dedicated Gas Hood accessory, designed to deliver precise impressed flow to MiniPID 2 and ION SENSE® PID sensors.



ION TRANSMIT Kit

ION TRANSMIT Kit enables long-range communication via RS-485 using Modbus RTU and 4 - 20 mA allowing connectivity to a wide range of applications. Designed to pair seamlessly with ION CONNECT, this 32mm PCB transmits all available sensor data over robust, industry-standard protocols.

With its compact form factor and versatile output options, ION TRANSMIT brings enhanced flexibility to your gas sensing setup, making it easy to integrate ION SENSE® sensors even into the most demanding monitoring systems.

