



Hydrocarbon Detector (HCD)

Detect volatile organic compounds in industrial manufacturing settings



Critical-Process Monitoring in Real Time

Take your manufacturing process control to the next level by detecting volatile organic compounds with the hydrocarbon detector from INFICON.

Our broadband, non-selective sensor monitors critical processes in harsh industrial manufacturing settings—including semiconductor, solar, pharmaceutical, or other vacuum-based process—and provides real-time detection of hydrocarbons and silicone oils with superior sensitivity.

Whether detecting photoresist contamination in semiconductor or pump oil contamination in freeze drying applications, the HCD sensor is a user-friendly and effective solution. It seamlessly

integrates with existing systems or with INFICON FabGuard® software. The sensor is compatible with any chamber condition, and pumping system maintenance is not required.

ADVANTAGES AT A GLANCE

- ✓ Tailored sensor operation control and easy data interpretation
- ✓ Seamless tool integration and reliable interdiction through data acquisition
- ✓ Low total cost of ownership

SPECIFICATIONS

Operating Pressure Range	sub 1 Torr - 1 ATM
Limit of Detection	ppm to ppb based on operating pressure
Operating Temperature Range	-25°C to 180°C
Sensitivity (High Emission)	> 2E-5 Amps/Torr
Mounting Flange	Standard FK25; custom options available
Available Inputs/Outputs	· 4-20mA, 0-10 V analog, Modbus TCP
Contamination Measurement by UV Photoionization	10 / 10.6 eV Kr discharge



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Due to our continuing program of product improvements, specifications are subject to change without notice.
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