

Envent Dilution Probes

Numerous low pressure/low flow applications exist where an H₂S measurement is required but a challenge exists on how to transport a sample to the analyzer. The Envent Dilution probe utilizes a permeable membrane technology along with H₂S-free carrier gas to transport the sample without the use of a sample pump. The carrier gas can be H₂S free fuel gas, Nitrogen, or instrument air. The Envent Dilution probe, for the right application, is a cost effective and simple measurement solution.

Features

- No venting of high H₂S samples.
- Can measure H₂S in saturated dirty samples.
- Highly resistant to contamination.
- Sample is measured insitu at process temperature and pressure.
- No H₂S loss in the sample filter.
- No power required at the probe (safe in hazardous locations).
- Isolates the analyzer from the process gas.

Applications

H₂S can be measure in:

- Flare line
- Low pressure/low temperature stacks
- Vent lines
- Tank head space



Specifications

Utilities	Instrument air at 100cc/min
Sample Pressure	10 psig
Ambient	0 to 100°C, 32 to 212°F
Dilution Ranges	0-20 ppm, 0 - 30%
Process Connections	2" NPT pipe or flanged connection
Response Time	60 seconds
Accuracy	3% of full scale
Calibration	Integral Calibration Ports



Insitu Dilution Probe

Flanged Probe with Isolation Valve and 330S Analyzer



Insitu Probe and 330S Analyzer

