

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 sample pump required.
- ✎ 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:

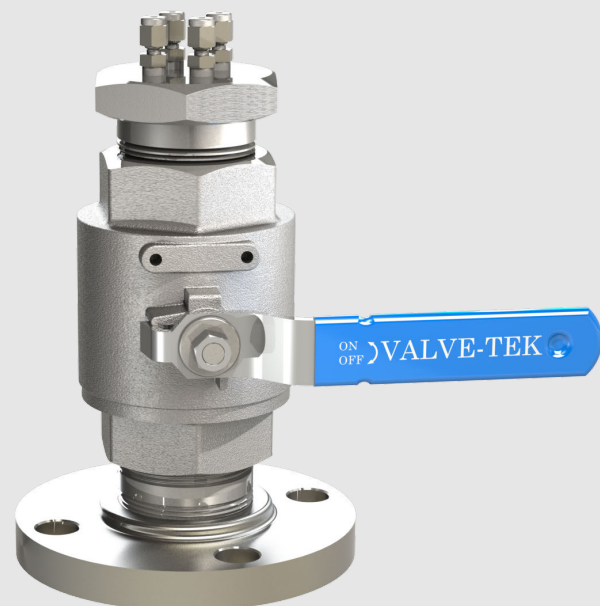
- ✎ Flare lines
- ✎ Low pressure/low temperature stacks
- ✎ Vent lines
- ✎ Tank Head space

SPECIFICATIONS

Utilities	Instrument air at 100 cc/min
Sample Pressure	10 psig
Ambient	0 to 100°C, 32 to 212°F
Dilution Ranges	0-20 ppm, 0 - 30%
Process Connect	2" NPT pipe or flanged connection
Response Time	60 seconds to 90%
Accuracy	3% of full scale
Calibration	Integral Calibration Ports

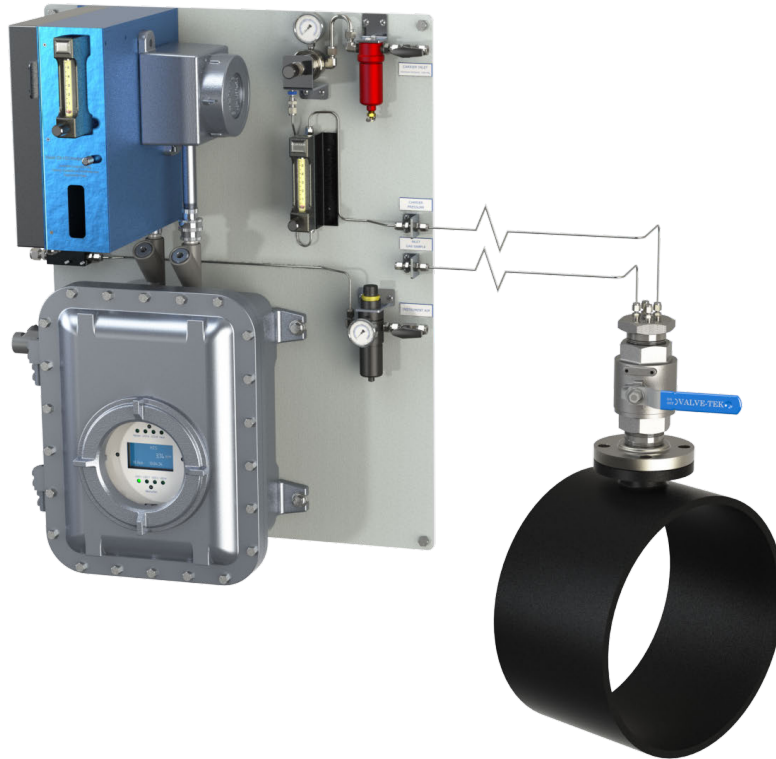


INSITU DILUTION PROBE

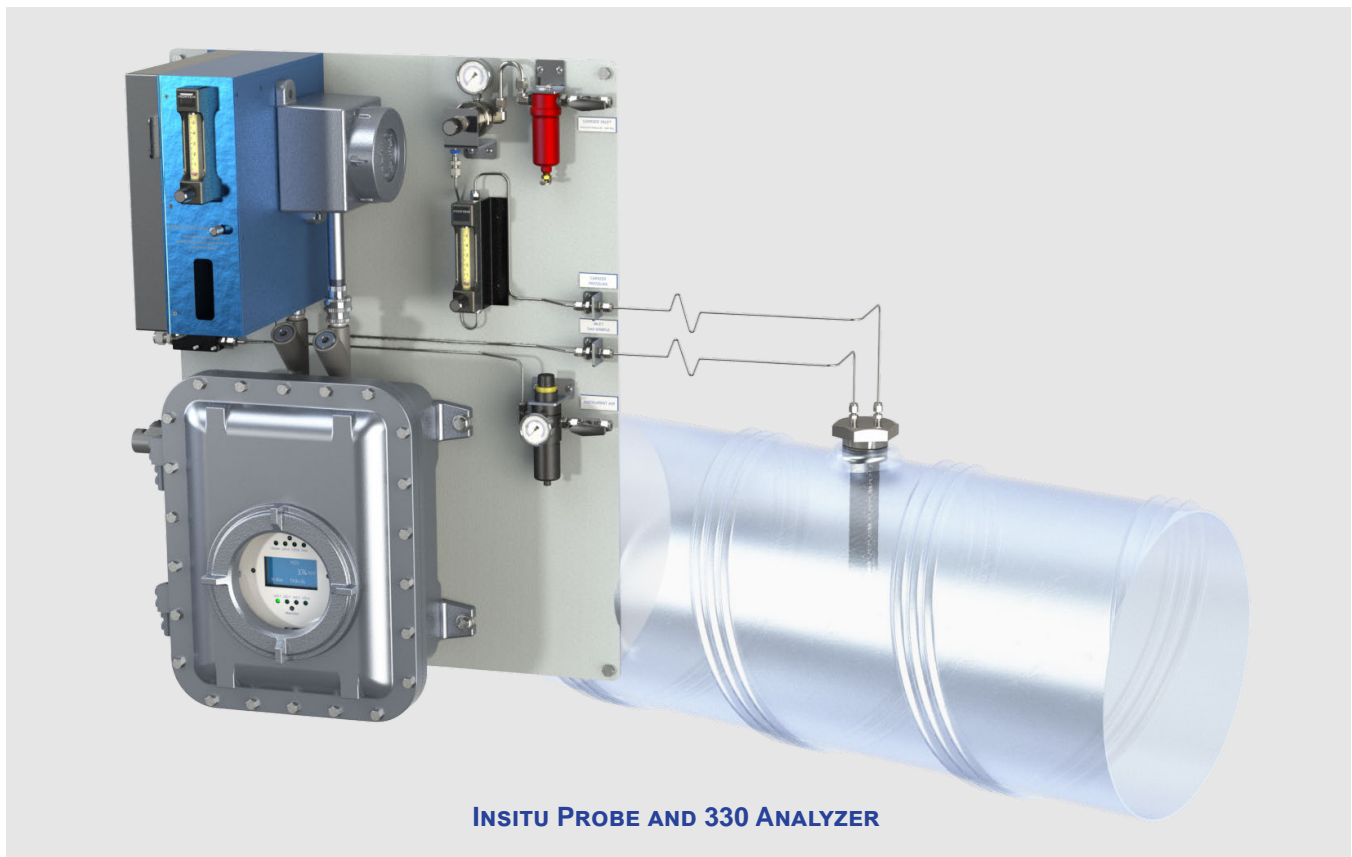


FLANGED DILUTION PROBE WITH ISOLATION VALVE (FOR HIGH-RANGE H₂S ONLY)

EXAMPLE APPLICATIONS



FLANGED PROBE WITH ISOLATION VALVE AND 330 ANALYZER



INSITU PROBE AND 330 ANALYZER