

TDL Gas Measurement In Narrow Pipes



Measure Gas in Narrow Pipes In Situ

The wafer cell adaption makes in situ gas measurement in small pipes easy. Use it with the full range of GPro 500 gas sensors for maximum versatility.



No Sampling or Conditioning System

The wafer cell adaption works without a maintenance-prone sampling or conditioning system. This removes costs and measurement downtime.



No Alignment Necessary

The wafer cell is a self-contained unit that integrates directly into the pipe. It eliminates the alignment challenges of typical TDL analyzers during installation, ensuring fast, easy setup.



Simplify Installation Planning and Effort

Many TDL gas analyzers require significant planning and effort for alignment during installation. This need is removed by the wafer cell adaption, which integrates into your pipe and has ports for purge gas, temperature and pressure measurements.



GPro 500 Wafer Cell Adaption For In Situ Measurement in Narrow Pipes

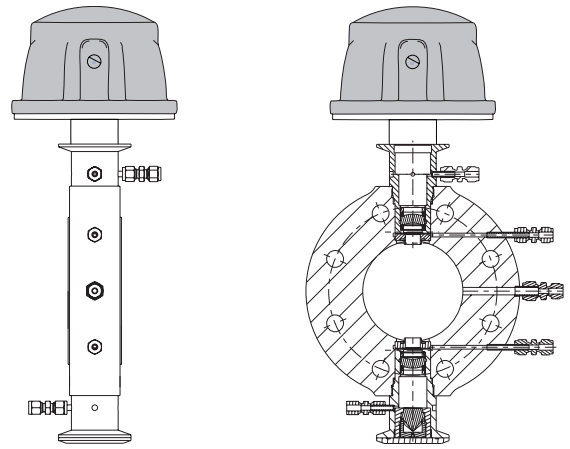
The wafer cell process adaption for the GPro™ 500 tunable diode laser gas analyzer is designed for implementation in small, narrow pipes. It allows accurate measurement of O₂ and other gases in pipes down to DN50 (2") without obstructing flow. The wafer cell can be installed in DN50/80/100 pipes, as well as ANSI 2"/3"/4" pipes where other types of TDL analyzers have challenges.

A major cost of gas analyzers is their maintenance-prone sampling and conditioning systems. The regular maintenance efforts on these systems significantly increases the total cost of ownership. These systems are fully eliminated with a wafer cell analyzer.

Technical data of the Wafer Cell Adaption for GPro 500:

Gas measured	Integrates with GPro 500 analyzers for Oxygen, CO ₂ , CO, HCl, H ₂ S, Moisture, Methane, Ammonia
Effective path length	104 mm, 110 mm, 154 mm, 164 mm, 214 mm (4.09", 4.33", 6.06", 6.46", 8.43")
Lower detection limit	Based on analyzer chosen.
Short description	This process adaption connects to a GPro 500 gas analyzer for installation in narrow pipes.

► www.mt.com/Wafer-Adaption



Example wafer cell adaption for GPro 500.



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