

GasPT®

What is GasPT

GasPT is an online transducer that provides information regarding the physical properties of natural gas – hence the name natural **Gas P**roperties **T**ransmitter.

What does GasPT do

GasPT provides the industry critical information about the physical properties of natural gas:

- Calorific Value (CV) / British Thermal Unit (BTU)
- Wobbe Index (WI)
- Relative Density (RD)
- Compression Factor (Z)
- Methane Number (MN)
- Total Air Requirement (TAR)
- Plus others.

How Does GasPT work

GasPT measures a number of easily monitored physical properties of a sample of gas from which it infers a composition. From the inferred composition GasPT uses ISO 6976 to calculate Calorific Value, Density, Relative Density and Wobbe index.

Measurement Uncertainty

The uncertainty of information of the physical properties calculated by GasPT is equal to the uncertainty when using gas chromatography. However, the speed of response will reduce the overall uncertainty. When integrated with our VE Technology® sampling system (GasPTi), the total uncertainty can be reduced to 50% of that typically available with chromatography.

How is GasPT Installed

GasPT is straightforward to install, similar to a pressure or temperature transmitter. With our VE Technology sampling system it can be installed directly on the pipeline. The electrical/data connection is provided through a safety interface, which is supplied as standard, providing certification for Zone 1 hazardous areas and for certain applications Zone 0.

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