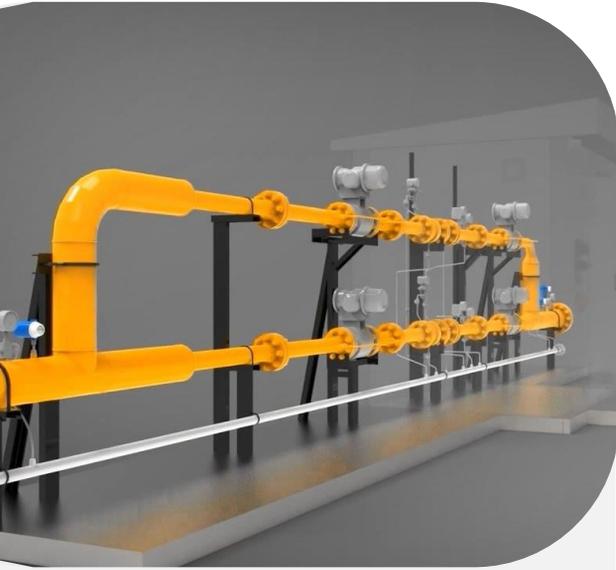


NATURAL GAS HCDP & WDP MEASUREMENT



ABOUT US

Potentia with over 25 year of experience employing advanced and high-performance practices in Oil & Gas sector and combining its ability to provide highly engineered and cost-effective analysis of Natural Gas with its highly accurate combined Hydrocarbon Dew Point and Moisture analyzer .

IMPORTANCE OF HCDP & WDP MEASUREMENT

Presence of water vapor in natural gas decreases its heating value thus impacting its quality. Moreover, it can corrode the pipeline with time and choke the same in cold weathers thus it is important to keep close analysis of the same. Likewise moisture, Higher hydrocarbon presence in Natural Gas also affects its quality as these can condense in high Pressure lines at low Temperature. To protect the equipment & guarantee the failure-free operation of Natural Gas Plants and pipeline networks, it is essential for Natural Gas companies to carry out exact, long-time, stable and reproducible measurement of water and hydrocarbon dew point.

BENEFITS

ANALYZER

- Combined measurement of water dew point and hydrocarbon dew point temperature (HCDT)
- High measuring confidence, including precision, reproducibility and low hysteresis
- Moisture content calculation according DIN EN ISO 18453 (GERG)
- Calibration of HCDT-sensor detection on condensate level (e. g. 5 mg/m³)
- Long-term stability of the sensors

SAMPLE HANDLING SYSTEM

- Developed in accordance to DVGW standards
- Certified for ATEX Zone 1
- Combined Moisture and HCDT Measurement
- Sample preparation for connection of additional measurement system (e.g. Gas Chromatograph).
- Enhanced Safety Concept including EU Declaration of Conformity



SAMPLING SYSTEM

Via a heated pipe, the sample system is connected to the process pipeline. In SHS, the natural gas is conditioned (i.e. pressure is reduced, temperature controlled and flow is regulated). The system includes the moisture sensor for the measurement of WDP under line pressure and the HCDT sensor for the measurement of Hydrocarbon Dew Point at the cricodentherm point



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