

Well Flow Management

Fluids Sampling and Analysis

Micro GC

The compact Micro GC is a miniature gas chromatographic system that offers you fast analysis of fuel gases and vapours. A typical analysis takes less than four minutes! These short analysis times enable effective process monitoring and immediate action upon the slight change.

The Micro GC contains two micro gas chromatograph channels; both equipped with column, thermal conductivity detector (TCD), and sample injection systems. One analyse the heavier components, C₃- C₆+, while the other simultaneously analyse the lighter gases, such as nitrogen, methane, carbon dioxide and ethane. The individual components are separated, identified, quantified and the calorific values are calculated and reported promptly and accurately.

Accuracy, repeatability and reproducibility of the Micro GC meet the specifications as described in ISO 6976, GPA2172-86 or ASTM D 3588-91 standards.

Examples of use are calorific value measurement, THT in natural gas, carbon dioxide, nitrogen, oxygen and ethylene/propylene analysis. The portability of the Micro GC also enables easy on-site analysis.



Specifications

Accuracy	± 2% against calibration gases. (Two point calibrations)
Detection limit	0.01 mol %
Power supply	220-240 V single phase, 50-60Hz

