



#5514

Syngas Analyzer (Gasboard 3100) (Hubei Cubic-Ruiyi Instrument Co., Ltd.)

DESCRIPTION

Continuous online gas analyzer for synthesis gas and process gas streams. It uses non-dispersive infrared (NDIR) and MEMS-based thermal conductivity detector (TCD) technologies to simultaneously measure multiple gas components and calculate the gas heating value. The system is designed for continuous monitoring and automatic data acquisition in industrial and research applications.

MAIN FEATURES

- Measurement: CO 0-20%, CH₄ 0-20%, O₂ 0-25%, CO₂ 0-20%, H₂ 0-50% vol.
- Accuracy: CO/CO₂/CH₄ ±2%FS; H₂/O₂ ±3%FS
- Inlet conditions: flow 0.7-1.2 L/min; pressure 2-50 kPa
- Operating conditions: T amb. 0-50°C; P amb. 86-108 kPa; RH 0-95% non-condensing

MAIN APPLICATIONS

- Continuous online monitoring and analysis of process gas streams
- Off-gas monitoring in catalytic tests and microactivity reactors
- Calorific value calculation and large-scale data generation for process analysis

ASSOCIATED CAPABILITIES AND SERVICE

2501 - 2504 - 3502

CONTACT US

Office of Technology
Transfer

✉ ott@plapiqui.edu.ar

🌐 plapiqui.edu.ar/ott

☎ +54 291 4037200 - Int 217/214

📠 +54 9 291 4261644