Sample Systems

Save money and time with the right sample systems from the application experts.

Sample systems are an essential piece of equipment for obtaining optimal information from your process analyzers. For customized design of your sample system, turn to Panametrics, the application experts with more than 60 years' experience in custom application engineering.

Benefits:
Designed specifically to meet the needs of your Panametrics analyzer, Panametrics sample systems reduce cost and downtime by:

- Providing a properly-conditioned representative sample, for best measurement accuracy and reliability
- Extending analyzer life
- Minimizing analyzer maintenance and associated parts and labor
- Facilitating field calibration

For more information please contact your local Panametrics representative, or visit:
panametrics.com

Panametrics, a Baker Hughes business, provides solutions in the toughest applications and environments for moisture, oxygen, liquid and gas flow measurement.

Experts in flare management, Panametrics technology also reduces flare emissions and optimizes performance.

With a reach that extends across the globe, Panametrics' critical measurement solutions and flare emissions management are enabling customers to drive efficiency and achieve carbon reduction targets across critical industries including: Oil & Gas; Energy; Healthcare; Water and Wastewater; Chemical Processing; Food & Beverage and many others.

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linkedin.com/company/panametricscompany

Baker Hughes

Panametrics
a Baker Hughes business

XMTCpro

Process Gas Analysis

Process Control with Accuracy and Reliability

XMTCpro

New Generation Thermal Conductivity Binary Gas Analyzer

SIL2
IEC 61508 certified

User Benefits

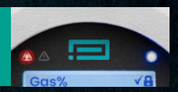
- Highly accurate and durable thermal conductivity sensor
- Compact design for cost-effective intergration into the process
- Intuitive operator interface
- MODBUS digital communication
- Minimal maintenance; user controlled

Highlights

1 

Functional safety, SIL2 by design

2 
Latest digital communication

3 

Status LED indicators

4 

Multi-parameter display

5 

Menu structure, intuitive navigation

6 
Easy control under all conditions

7 
Certified for use in hazardous area environments

8 
Ultra stable sensor, no moving parts

Panametrics
a Baker Hughes business

Gas Analysis

Gases such as hydrogen, methane or carbon dioxide must be measured and continuously monitored in many processes, from explosion prevention to ensuring that process conditions meet the requirements for successful process operation.

XMTCpro

By combining proven thermal conductivity technology with enhanced performance, the XMTCpro delivers what customers really care about: accuracy, endurance, reliability and ease of use.

Thermal conductivity is the preferred technology for measuring concentrations in binary gas mixtures. This technology relies on each gas in a binary gas mixture having a different thermal conductivity.

Ultra-stable, temperature-controlled measuring elements reliably quantify one gas in a two-gas mixture or in a multi-gas (pseudo-binary) mixture where the thermal conductivity of the background is stable.

Safety requirements are stringent and space is at a premium in the critical applications where gas analyzers are commonly used. XMTCpro is innovative due to the combination of the SIL-rating, time-proven sensor performance, intuitive user interface, digital communication protocol, and compact explosion-proof housing.

XMTCpro users benefit of all these advantages in applications such as electrolyzer hydrogen and oxygen purity applications. The reliable measurements that the XMTCpro provides increase user's confidence in processes where stability, efficiency and safety are critical.

Industries

Typical Applications

Hydrogen Economy
Hydrogen in various applications along the hydrogen value chain

Industrial Gases
Control of high-purity gases
Synthesis gas measurements

Power Plant
Hydrogen-cooled generators

Metal Processing
Monitor furnace atmospheres

Natural Gas
Measure methane and carbon dioxide at various points in the plant

Refinery/Petrochemical
Hydrogen in recycle gas
Steam methane reforming, CCUS
Hydrogen purity

Landfill/Biogas
Measure carbon dioxide in methane of raw gas and after separation

Food/Beverage
Carbon dioxide in fermentation processes