

ASTM D6667
compliant

GASMIX™ AURA



LPG VAPORIZER

Simple, safe & cost-saving

Everyone analyzing LPG (Liquefied Petroleum Gas) or LNG (Liquefied Natural Gas) samples knows challenges created by these products.

To help analysts AlyTech engineers designed AURA - LPG/LNG evaporating device equipped with a heat regulator to set optimal evaporation temperature and heated transfer lines to prevent any condensation. AURA safely vaporizes the LPG sample into 100% gas phase and build-in pressure regulator keeps the output pressure at a desired value.

The typical application of AURA is in combination with automated gas blender/diluter GasMix™ from AlyTech to prepare calibration standards in LPG matrix. There are many other applications where the AURA helps safely measure LPG samples without sample pressurization, for example injection in GC or GC/MS.

BENEFITS

- Compact device, simple and ease of use
- No need for sample pressurization
- Maximum operator safety
- Heated transfer line assures 100% gas phase
- In combination with GasMix™ diluter on-site preparation of low level concentration calibration gas using only 1 LPG certified standard
- Compliant to ASTM D6667
- Designed to handle aggressive gases

APPLICATIONS

Oil & Gas companies:
calibration of sulfur and nitrogen analyzers

Automotive laboratories:
monitoring of LPG fuels

Research:
analyses of LPG/LNG



When working with LPG/LNG samples the AlyTech AURA is the ideal tool for calibration of a total Sulfur and Nitrogen analyzers. The analyzer such as the Multitek™ from PAC on the picture is connected to the GasMix™ AIOLOS in combination with AURA vaporizer. Sulfur and nitrogen can therefore be measured without the need of sample pressurization, providing a maximum operator safety.

The AURA heats and vaporizes the LPG containing the sulfur and/or nitrogen compounds at known concentration into the GasMix™, which will dilute it with another gas, such as argon. The solution enables calibration of your analyzer and checks the linearity of response without really limitation on the number of points. Equipped with an injection valve and flexible software, the system can interface with the analyzer and run fully automatic multipoint test sequences of routine quality assurance program.

Buying multiple LPG standards is no more necessary, you prepare that you need on-site with only one LPG standard, saving time and money. Use a LPG standard avoids matrix effects (that may occur if an analyzer is calibrated with gases while samples being LPG), giving more accurate results.

The solution offered by AlyTech is significantly increase productivity, safety and improve your quality assurance while running GPL samples.

AURA Technical Specifications

Vaporizer temperature:	55 – 150 °C
Heated Line temperature:	120°C
Heated line length:	1 meter
Max inlet pressure:	20 bar
Max outlet pressure:	6 bar
Connectors:	Swagelok 1/8"
Power supply:	24V DC (via GasMix™ or external)
Size: L x W x H (cm):	30 x 30 x 12
Weight:	6 kg

* Note: Specifications subject to change without notice

Learn more about our products at www.alytech.fr



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