

# AlyTech G A S M I X

On-site Customized Gas Preparation - Accurate and Repeatable

## AlyTech GasMix™ 12 Channel

### Increasing the Possibilities of On-site Gas Standard Preparation

The AlyTech GasMix 12 Channel Gas Standard Preparation System can prepare and automatically deliver gases in virtually all kinds of analytical instruments. The principle behind the GasMix is based on the dynamic mixing, diluting and injecting of gas standards. International Standards Organizations such as CEN and ISO are publishing more methods that call for dynamic mixing of multipoint calibration standards; more laboratories are turning to on-site gas preparation for calibration validation of their instruments.

The GasMix provides an automated, cost effective way for laboratories to validate their instruments. Other application areas for the GasMix include synthetic gas mixture generation, glove box atmosphere control, reactor gas feeding, and sample conditioning prior to analysis. If your laboratory requires a custom application, the AlyTech R&D team has the flexibility to accommodate your request.

### AlyTech GasMix™ Reduces the Costs Associated with Renting Gas Cylinders

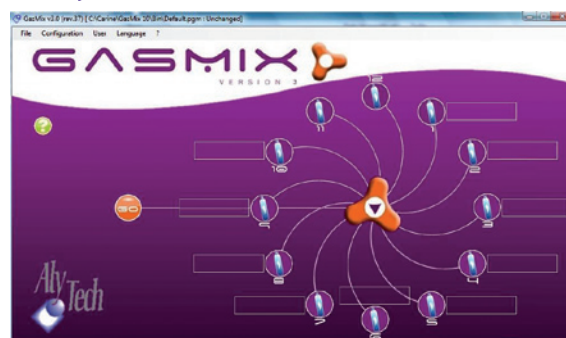
This accomplished because the GasMix helps to manage the following aspects of gas preparation:

- Reducing the Gas Consumption
- Optimizing the Efficiency of Gas Cylinders
- Reducing the number of necessary Gas Standards
- Reduction of Operator Bench Time
- Managing Cylinder Expiration Dates

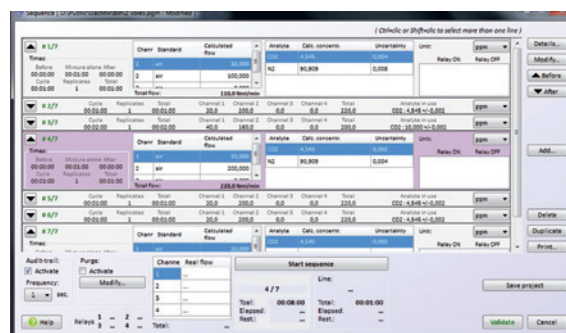


Another important capability of the GasMix is that it can be configured to dynamically dilute and mix Aggressive Gases such as H<sub>2</sub>S, NH<sub>3</sub> and others. The GasMix can handle these types of gases because it utilizes tubing made of inert materials.

### AlyTech GasMix™ CalibrateIT 12C Analysis Software



The CalibrateIT 12C Software is fully automated allowing for a single injection to run or a pre-programmed sequence. The GasMix CalibrateIT 12C Analysis Software can be remotely controlled; it may drive an external injection valve and/or the start command of an analyzer. An added benefit of the GasMix is it drastically reduces operator time.



System Operators will easily master the GasMix CalibrateIT 12C Analysis Software; it is a user friendly software package that allows for ease of operation and job preparation, from a single injection up to a fully automated sequence. It ensures a total traceability of the operations carried out. Regular automatic sequences may be saved and recalled at any time.

# AlyTech GASMIX

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## Benefits of the AlyTech GasMix™

- **CalibrateIT 12C Analysis Software:**

The GasMix CalibrateIT 12C software is a dedicated software platform that allows you to automate all operations required to run the GasMix, the operator just connects the cylinders and the software will do the rest.

- **Resourceful and Transportable:**

Significantly reduce the amount of Calibration Gases needed. The transportable GasMix handles and optimizes the flow and purge times in the calibration sample preparation.

- **Reduce Operator Time:**

GasMix has been designed to run without Operator Intervention

- **Diverse Application Coverage:**

- Environmental - Calibration of analyzers for ambient air surveillance in laboratories and on-site
- Petrochemical - Oil & Gas in laboratories
- Food & Flavor - Quality Control
- Automotive Industry - Engine Bench and Emission Control
- Specialty Gases
- Electronics Industry



## Technical specifications:

Dimensions:	L x W x H (cm) : 66 x 45 x 17
Weight:	25 kg
Connection:	Swagelok 1/8"
Accuracy:	less than 2% of the flow all over the scale
Dilution:	from 0.3 to 100% of the initial concentration
Communication	USB - Designed for Windows XP SP2 min.
Power Supply:	230 VAC / 2A / 50-60 Hz (110V available)
Enter Pressure:	Gas 3 bar -LPG 1 bar
Exit Pressure:	atmospheric, higher pressure possible (contact us)

*\* Specifications subject to change without notice*



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