

# CWE Gas Mixer

## GSM-3 Gas Mixer

Accurate fast-response blender for custom gas mixtures



### Standard Features:

- Accurate custom gas mixtures
- Wide range of gasses and flows
- Custom gas configurations at no extra cost
- Stored programs for immediate retrieval
- Stand-alone or computer controlled with supplied software

### Applications:

- Gas mixtures for in vivo or in vitro studies
- Control of breathing studies
- Environmental chambers
- Gas analyzer calibration mixtures
- Hypoxia and sleep studies

The **GSM-3 Gas Mixer** is a versatile and accurate device for creating custom respiratory gas mixtures. Any three gasses can be connected as inputs, and the output is the user-programmed mixture of these gasses. The instrument can operate in a stand-alone mode, with mixture programming done from the front panel or it can be controlled using a computer running the supplied software.

The mixer uses thermal mass flow controllers to provide programmed mixtures with a resolution of 0.1% concentration. Mixture controls are used to set the total output flow, as well as the concentration of each of the three component gasses. The LCD display shows the set concentrations, as well as the computed flow rates for each gas.

Up to four custom mix programs can be created and stored in non-volatile memory for instant selection via pushbuttons.

Each GSM-3 is custom-configured with the optimum flow controllers to meet the user's requirements.

The GSM-3 can also be programmed and operated from a computer via a standard RS232 serial port. A Windows software application is provided with the instrument and allows convenient setting up and storage of any gas mixtures. Timed sequences are easily set up, allowing automated gas mixture protocols.

The GSM-3 Gas Mixer comes ready to use with software and a serial cable. Up to three input gasses can be attached, with a minimum pressure requirement of 20psi.

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