GD600
Gas Dilution System

Automated Calibration Solution

The Scentroid GD600 Gas Dilution System provides an easy solution to simplify calibrating chemical analyzers. GD600 generates its own zero-air by scrubbing the ambient air using its 3-stage filter.

Save on Gas
Reduce calibration gas consumption significantly with the GD600 dilution system. One gas bottle will last multiple calibrations

Power Supply
Built-in battery for total portability. Packaged with 120 – 240v charger unit

Zero Air Generator
Built-in zero air generator provides 7000 ml/min. System has a dilution range of 2 to 400

Accuracy
Continuous dilution monitoring feedback for 100% reliability and accuracy. Medical grade mass flow controllers with 99.5% dilution accuracy

System
Controlled through any device via Bluetooth connectivity. Displays environmental variables including temperature and humidity

Simple Process
Fully automated dilution so user only need to provide desired dilution and minimum output flow rate

Easy and Affordable Calibration with a Portable Gas Diluter

Calibration gases are diluted using zero air or optionally N2 to provide a reference gas of any concentration allowing the operator to easily conduct multi-point calibration.
By controlling the mass flow of the reference gas, GD600 not only simplifies the calibration process but also reduces the consumption of reference gases.

Device Overview

1. Switch and LED
2. Firmware upgrade port
3. Zero air flow adjustment valve
4. Ambient air inlet, used as zero background air
5. Zero air inlet, used as an alternative zero background air
6. Calibration gas inlet
7. Output to the chemical analyzer
8. Scrubber for the pump inlet
9. Scrubber for the exhaust

Dilution Setup

1. ¼ inch PTFE tube connected to N2 canister or compressed gas, pressure must be less than 40psi
2. ¼ inch PTFE tube connected to the calibration gas, flow rate must be more than 0.6 L/m, recommended 2 L/m
3. ¼ inch PTFE tube connected to the chemical analyzer, flow rate of the GD600 must be higher than the chemical analyzer
4. ¼ inch PTFE tube connected to the chemical analyzer

Above image illustrates typical calibration setup using the GD600. The zero air is connected to the 'Zero Air' fitting, the calibration gas is connected to the 'CLBR Gas' fitting and lastly the chemical analyzer is connected to the 'Output' fitting.

Durability	Build into a pelican case for ease of transportation and operation
Inlet	Inlet designed for 0 - 10,000ml / min dilution
Zero Air Generator	7000ml / min
Dilution Range	40 to 400 (with build-in air supply)
Filter Scrubbers	Patented porous pellets
Power	Built-in Battery, 120 - 240v charger
System	Bluetooth connection to any Android device

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