

## Model 2030 Portable Ozone Transfer Standard

*The Model 2030 Portable Ozone Transfer provides an accurate and convenient means of measuring low levels of ozone in ambient air.*



The Model 2010 is small compact size and weight for users who require true portability.

Using the Beer-Lambert law, ozone is measured in a single photometric cell by detecting the absorption of ultraviolet (UV) radiation from ozone molecules at a wavelength of 254 nm. Real-time comparison of the UV light intensity for the sample gas to the reference gas yields a precise concentration of ozone. The single cell design reduces the complexity of the ozone measurement and automatically eliminates zero drift.

Advanced, easy to use, menu-driven software allows access to sample conditions and diagnostics and the strip chart feature allows the user to view a time series plot for ozone readings.

The 2030 Portable Ozone Transfer offers a bright color display, data logging capability and advanced communications via Ethernet, USB and RS-232/485.

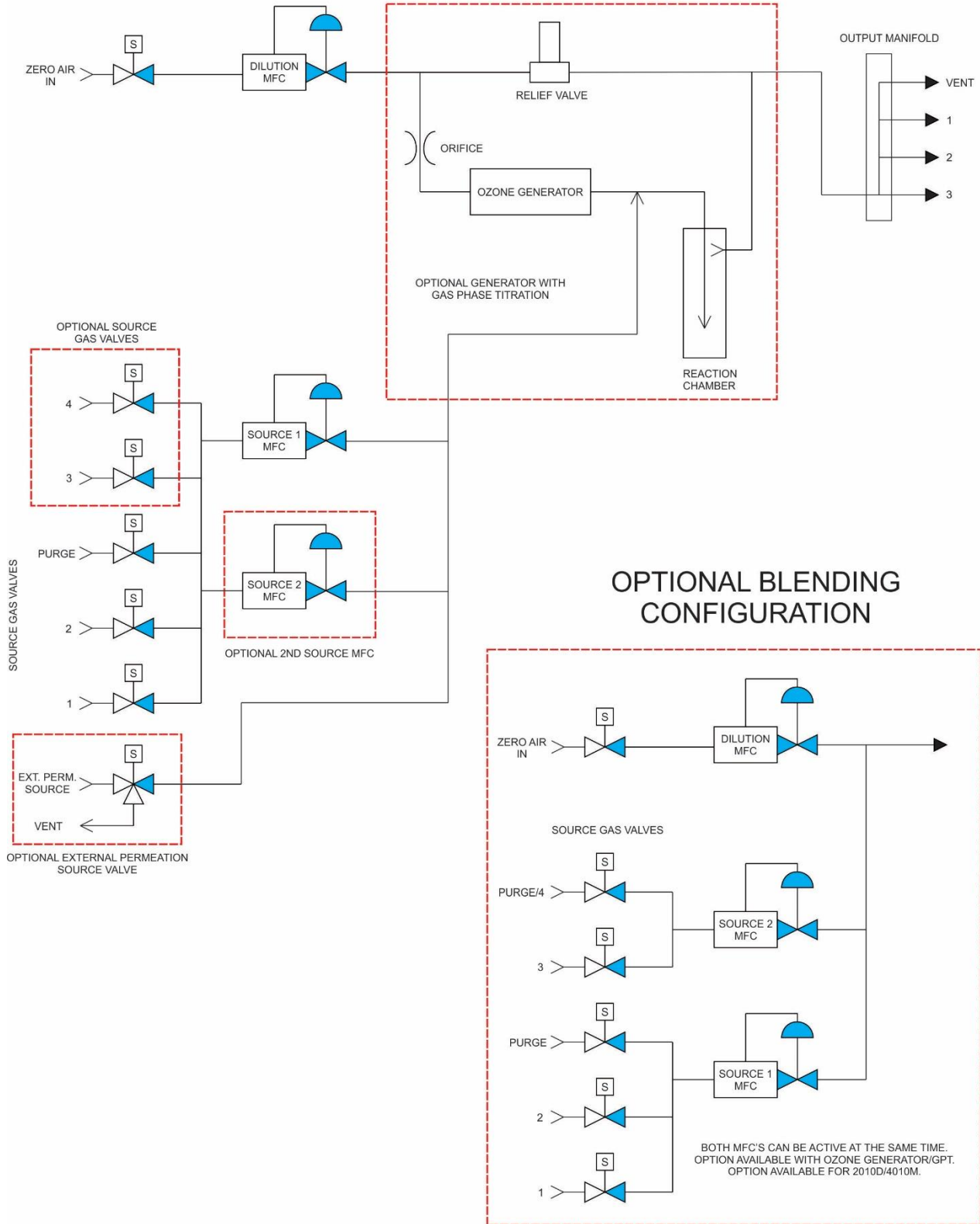
### Specifications

*Specifications subject to change without notice*

<b>Dilution System</b>	Input Dilution Gases	1 Standard (2 Optional)
	Input Source Gases	1 Standard, 1 Purge, Optional 2 Additional
	Output Manifold	3 Outputs Standard, Optional 1 Additional
	Dilution Mass Flow Controller	0-10 SLM, Optional Ranges 0-20 SLM

	Source Mass Flow Controller	0-100 SCCM, Optional Ranges 0-2000 SCCM	
	2nd Source Mass Flow Controller	0-100 SCCM, Optional Ranges 0-2000 SCCM	
	Input Pressure	12-35 PSI	
	Flow Accuracy	$\leq \pm 0.5\%$ Full Scale	
	Flow Repeatability	$\leq \pm 0.15\%$ Full Scale	
	Linearity	$\leq \pm 0.5\%$ Full Scale	
	Response Time at Output	< 1 Minute	
<b>Optional Internal Ozone Generator</b>	Output (Standard)	2ppb-1000ppb @ 5 SLPM	
	Accuracy	$\pm 1\%$ of Set Point or $\pm 1$ ppb @ 5 SLM	
	Nominal Flow	100 SCCM, $\pm 3$ SCCM	
	UV Lamp Temperature	50 °C, $\pm 0.1$ °C	
<b>Calibrator Interface</b>	Operation	Membrane Keypad, Keyboard, Serial, Ethernet	
	Calibration Definitions	20 User defined calibration sequences	
	Calibration Types	Gas Dilution, Ozone, GPT, Multi-gas, Multi-blend, Permeation	
	Gas Definitions	1 Diluent Gases, 20 Sources Gases	
	Auto Calibrations	20 timer driven cal routines that perform user-defined calibration sequences on a 7-day calendar of event	
	Digital Inputs	8 Status I/O bits for calibrator functions, Optional 24 bits	
	Digital Input Types	Contact Closure or TTL Logic	
	Digital Outputs	8 Status Outputs bits for monitoring calibrator functions, Optional 24 bits	
	Communications	RS232, Ethernet 10/100 Base-T	
	<b>Calibrator System</b>	Operating Temperature	5 °C to 40 °C
		Dimensions	6.2 (15.6 cm) H x 14.3 (36.4 cm) W x 12.4 (31.6 cm) D
		Base Unit Weight	19 lbs. (8.6 kg)
Input Voltage		98-264 VAC, 150-300 VA, 50/60 HZ	

# Model 2010 Flow Diagram



Sabio Environmental, LLC  
 21 Cypress Blvd Suite 1130  
 Round Rock, TX 78665

PH: 512.869.0544  
 sales@sabio.com  
 www.sabio.com