

# Portable Ozone Transfer Standard Model 2030



## Description

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

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.

## Standard Features

- ▶ Ranges: 0-50 ppb to 0-2 ppm
- ▶ Large color TFT LCD display
- ▶ Various user interface options including touch screen, front panel keypad, external keyboard and mouse
- ▶ Menu driven software
- ▶ Ethernet, USB and RS-232/485 ports
- ▶ Front panel USB connections for peripheral devices and firmware updates
- ▶ Four independent analog outputs with flexible ranges
- ▶ Automatic temperature and pressure compensation
- ▶ Comprehensive internal data logging
- ▶ Portable side handles

<b>Specifications</b>	
<i>Specifications subject to change without notice</i>	
<b>Ranges</b>	0-100, 0-200, 0-500 ppb or 0-1, 0-2, ppm
<b>Zero Noise</b>	0.6 ppb RMS
<b>Lower Detectable Limit</b>	1 ppb
<b>Zero Drift</b>	< 1.0 ppb/24 hr, < 2.0 ppb/7 days
<b>Span Drift</b>	< 1% per month
<b>Response Time</b>	20 seconds, 10 seconds lag time
<b>Precision</b>	1 ppb
<b>Linearity</b>	+/- 1% Full Scale
<b>Sample Flow Rate</b>	1 Liter/Minute
<b>Operating Temperature</b>	5° to 45° C
<b>Power Requirements</b>	Universal Power Supply, 98-132 VAC 196-264 VAC 50/60 Hz
<b>Analog Outputs</b>	0.1V, 1V, 2V, 5V, 10V
<b>RS-232/RS-485 Port</b>	Standard DB-9 Connector
<b>Physical Dimensions</b>	6.2 in. (15.6 cm) H x 14.3 in. (36.4 cm) x 12.4 in. (31.6 cm) D
<b>Average Weight</b>	20 lbs. (9.1 kg)
<b>Precision Ozone Generator</b>	
<b>Output Range</b>	0.05-1.5 PPM @ 5 SLM
<b>Accuracy</b>	±2% of Set Point or ± 3 ppb @ 5 SLM
<b>Accessories</b>	
	High-Impact Transport Case
	Internal Zero Air Source

## Optional Features

- ▶ Internal Ozone Generator
- ▶ High-Impact Transport Case
- ▶ Tilt-up feet



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