



# Sabio

Environmental *ambient pollution analyzers and calibration systems*

## Model 6030 O3 Analyzer

*The Model 6030 Ozone Analyzer provides an accurate and convenient means of measuring low levels of ozone in ambient air.*



### Specifications

*Specifications subject to change without notice*

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

The 6030 O3 Analyzer offers a bright color display, data logging capability, advanced communications via Ethernet, USB and RS-232/485, universal power supply, and a DC internal pump for easy installment in rack systems or bench top applications.

<b>Ranges</b>	0-0.05 ppm, 0-0.5 ppm and 0-1.0 ppm, User set
<b>Noise</b>	< 0.2 ppb
<b>Lower Detectable Limit</b>	< 0.4 ppb
<b>Zero Drift</b>	< 1 ppb per 24 hours
<b>Span Drift</b>	< 1% of reading/24 hr
<b>Cycle Time</b>	8 seconds (4 sec. each half-cycle)
<b>Precision</b>	<0.5 % of URL
<b>Linearity</b>	<0.5 % of URL
<b>Sample Flow Rate</b>	0.5 to 1.0 LPM
<b>Operating Temperature</b>	5° to 45° C
<b>Operating Humidity</b>	0 to 90% (Non-condensing)
<b>Power Requirements</b>	200 Watts (depends on analyzer)
<b>Voltage Output Ranges</b>	0.1V, 1V, 2V, 5V, 10V, user-selectable
<b>Input/Output Ports</b>	Rear Panel: Ethernet, USB Device, USB Host (2), RS-232/485 (2)
<b>Physical Dimensions</b>	5.25 in (H). x 17 in. (W) x 22.5 in.(L)
<b>Weight</b>	25 lbs. (11.3 kg)
<b>Certification</b>	US EPA: EQOA-0415-222
<b>Display</b>	7" Wide View Color LCD Touchscreen
<b>Interface</b>	Touchscreen, Front Panel Keypad, External Keyboard, Mouse
<b>Communications</b>	Ethernet, USB and RS-232/485 Ports, Modbus protocol, Analog I/O, Digital I/O
<b>Features</b>	Automatic temperature and pressure compensation, Comprehensive internal data logging



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