



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.

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



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