Model 6030 O3 Analyzer

The Model 6030 Ozone Analyzer 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 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.

Specifications

Specifications subject to change without notice
All specifications are based on constant conditions.

Ranges	0-0.05 ppm, 0-0.5 ppm, Max 0-200 ppm, User set
Noise	< 0.2 ppb
Lower Detectable Limit	< 0.4 ppb
Zero Drift	< 0.5 ppb per 24 hours
Span Drift	< 0.5% of reading/24 hr.
Response Time	20 seconds to 95%
Precision	<0.5 % of Reading
Linearity	<0.5 % of Reading
Sample Flow Rate	0.5 to 1.0 LPM
Operating Temperature	0° 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)
Certification	US EPA: EQOA-0415-222 Korea: AACMS-2021-02
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
Options	Internal zero & span check Internal Pump Rack Mount Kit
Applications	Ambient Air Monitoring Roadside Air Monitoring

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