

## Model 430 – raising the bar for compact Ozone Analyzers.



Teledyne API is pleased to offer the Model 430 Compact O<sub>3</sub> Analyzer. The Model 430 uses the proven UV Absorption principle, producing accurate and stable O<sub>3</sub> measurements. The robust design and low power consumption makes it ideal for monitoring applications that require long autonomy periods such as rural and remote monitoring, saturation studies, and atmospheric research. The small footprint and quiet operation make it extremely useful for indoor air quality, surveying, and industrial hygiene applications.



## Model 430 Specifications

■ Ranges	Min: 0 - 100 ppb Max: 0 - 20,000 ppb (user-selectable)
■ Measurement Units	ppb, ppm (user-selectable)
■ Zero Noise	< 1 ppb (RMS)
■ Span Noise	< 0.5% of reading (RMS) above 100 ppb
■ Lower Detectable Limit	< 2 ppb
■ Zero Drift	< 1 ppb/24 hours
■ Span Drift	< 1% full-scale/24 hours
■ Response Time	< 35 seconds to 95%
■ Linearity	1% full-scale
■ Precision	0.5 ppb or 0.5% of reading above 100 ppb
■ Sample Flow Rate	800 cc/min +/-10%
■ Typical Power Consumption	12VDC, 9W
■ Analog Output Ranges	0 - 5V
■ Analog Output Resolution	16-Bit Resolution
■ Internal Data Storage Capacity	10,000 lines (1 hr avg = 1.1 yr)
■ Included I/O	1X RS-232 1X 0-5V analog output 5X 0-5V analog input 1X SD card slot
■ Dimensions H x W x D	4.2" x 7.1" x 10.2" (107 x 180 x 259 mm)
■ Weight	5.2 lbs (2.4 kg)
■ Operating Temperature Range	5 - 40°C (with US EPA approval)
■ Humidity Range	0 - 95% RH non-condensing
■ Certifications	US EPA Federal Equivalent Method EQOA-1015-229

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