



Model 430 – raising the bar for compact Ozone Analyzers.



- Intuitive
Easy to use
- Quiet
For everyday use
- 10,000 hr
long pump life
- 2 year warranty
The best in the industry
- SD
Data storage
SD Card storage capability
- Autonomous
Optional battery pack available
- Proven
US EPA Federal Equivalent Method

Teledyne API is pleased to offer the Model 430 Compact O₃ Analyzer. The Model 430 uses the proven UV Absorption principle, producing accurate and stable O₃ 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. An optional battery pack provides up to 14 hrs. of run time on a full charge.



Model 430 Specifications

■ Ranges	0 - 100 ppb (min), 0 - 20,000 ppb (max) (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
■ Lag Time	< 20s
■ Rise/Fall Time	< 15s to 95%
■ Linearity	1% full-scale
■ Precision	< 0.5 ppb or 0.5% of reading above 100 ppb
■ Sample Flow Rate	0.8 L/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.



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