

Ozone Sensor with Relay for Outdoor Installations

NEMA-2 Ozone Sensor with Datalogger

Ozone Sensor for outdoor applications. Ozone Sensor with relays and low/high alarm points and datalogging. Perfect for harsh or windy environments.



Features

- Enclosure is IP20 or NEMA 1 Equivalent
- relay outputs & 0-5V output signal
- Clear cover for visual inspection of ozone level
- SS screens on inlet & outlet to reduce sensor fouling
- ready to use upon arrival
- integrated [b]datalogging[b]

Product ID: **S-520**
 Stock: **Yes**
 Price: **\$1,558.00**

S-520 Models

The S-520 can be purchased as one of three different models, each with a different sensor head. Choose the model with the range and resolution to fit your application.

* Model	Range	Resolution	Price	*
S-520UL	5-150 PPB	1 PPB	Online Pricing	Buy Online!
S-520L	8-500 PPB	1 PPB	Online Pricing	Buy Online!
S-320G	0.20-10.00 PPM	0.01 PPM	Online Pricing	Buy Online!

220V Power Option

220V/50Hz Power Option necessary for overseas use.

Item	Price	*
220V/50Hz Power Option	Online Pricing	Buy Online!

Specifications

Range	
OZU-2	0.005-0.150 ppm
OZL-2	0.008-0.500 ppm
OZG-2	0.01-10.00 ppm
Accuracy	
OZU head	+/-0.010
OZL & OZG heads	+/-10%
Response time	
OZU-2	70 sec
OZG-2 and OZL-2 head	60 sec.
Sensor type	GSS
Display	Digital LCD Display
Alarms	2 alarms (Low and High)
Outputs	0 to 5V, 150mA, Relays
Data logging	Options: Internal, to PC. Software supplied.
Temperature range	23-120 F (-5-50 C)
Humidity range	5% to 95%
Battery	9.6V (2100mA/hr Ni-MH)
Power requirements	12 VDC, 800 mA
Size	283 x 180 x 90 (mm), 11.1 x 7.1 x 3.5(in) (LxWxH)

Free shipping to the continental US only

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Extreme Ozone Sensing



Ozone Monitor in NEMA-2 Enclosure placed on top of a trailer monitoring station in WA state. Data is instantly sent to a computer for instant readout and datalogging.

S-520 at WA State Monitoring Site



S-520 (right) being compared with an \$8,000 API ozone analyzer (left) for the WA Dept. of Ecology.

S-520 Video

To see how the S-520 works, watch this video!

Removing/Replacing S-520 Sensor Head

Removing and Replacing the Sensor Head



- ❑ Undo the four lid screws, remove lid and view the interior of the enclosure as shown above.
- ❑ Unscrew and remove the inlet & outlet nozzles "A" & "B" as well as the threaded lock nuts "C" & "D".
- ❑ Remove the sensor head "E" by moving it in the direction of the broad arrow above.
- ❑ Replace the sensor head "E".
- ❑ Re-insert nozzle "A" using lock-nut "C" & re-insert nozzle "B" using lock-nut D, ensuring a tight fit against the sensor head "E".
- ❑ Replace lid and tighten four lid screws.

Exchanging S-520 sensor head is simple with the adjustment of a few plastic nuts.

Calibration Certificate - Low Head

 Aeroqual Limited, Level 20, ASB Bank Building, 135 Albert Street, Auckland, New Zealand. Phone +64 9 355-3370 Fax +64 9 358-7340 www.aeroqual.com				
Calibration Certificate No. 614				
DATE: 18-Jun-04		QC Approval: 		
MODEL: OZL				
Serial No: OZLC190504-586				
OZONE CONCENTRATION / ppm				
Calibration Standard	0.000	0.100	0.300	0.500
AQL Sensor mean	0.002	0.090	0.305	0.472
<p>CALIBRATION STANDARD The Aeroqual ozone monitors are calibrated in a controlled environment, against a dual cell UV photometric analyser utilising an external zero air source. The instrument has a linearity of 1 ppb and a precision of 2 ppb. This calibration unit is maintained and certified by New Zealand's National Institute of Water and Atmospheric Research (www.niwa.cri.nz). Traceability is maintained with other international standard organisations and governmental bodies.</p> <p>WARNING Aeroqual monitors are very sensitive instruments and need to be treated with due care. The calibration of Aeroqual sensors will be affected by excessive exposure to ozone. In addition, contamination of filters and sensitive parts of the instrument will adversely affect readings - thus keep the instrument as clean as possible and free from avoidable contaminants. Use strictly in accordance with the product user guide.</p>				

Every Aeroqual product comes with its own unique calibration certificate. The customer knows that the accuracy of their sensor has been tested & verified.