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Simple, Inexpensive Ozone Monitor

For water treatment plants, pulp bleaching mills, ozone generator monitors, photocopier and laser printer centers, fumigation projects, HVAC and indoor air quality systems, vehicular pollution monitors, research labs and pilot plants, and wherever ozone exposure is possible: the C-30ZX has a very fast and continuous response. It is rugged and versitile. There are no touchy controls.



C30Z Ozone Monitor linked with Ozone Instrument EXT port.
More Info



The C-30Z is perfect for water treatment plants, pulp bleaching mills, ozone generator monitors, photocopier and laser printer centers, fumigation projects, HVAC and indoor air quality systems, vehicular pollution monitors, research labs and pilot plants and wherever ozone exposure is possible.

Benefits

- Constantly monitors your work environment; shows the ozone concentration by a multicolor graphical display, and alarms when there is a health hazard
- No installation typically required; easily understood by non-technical personnel
- Virtually no maintenance

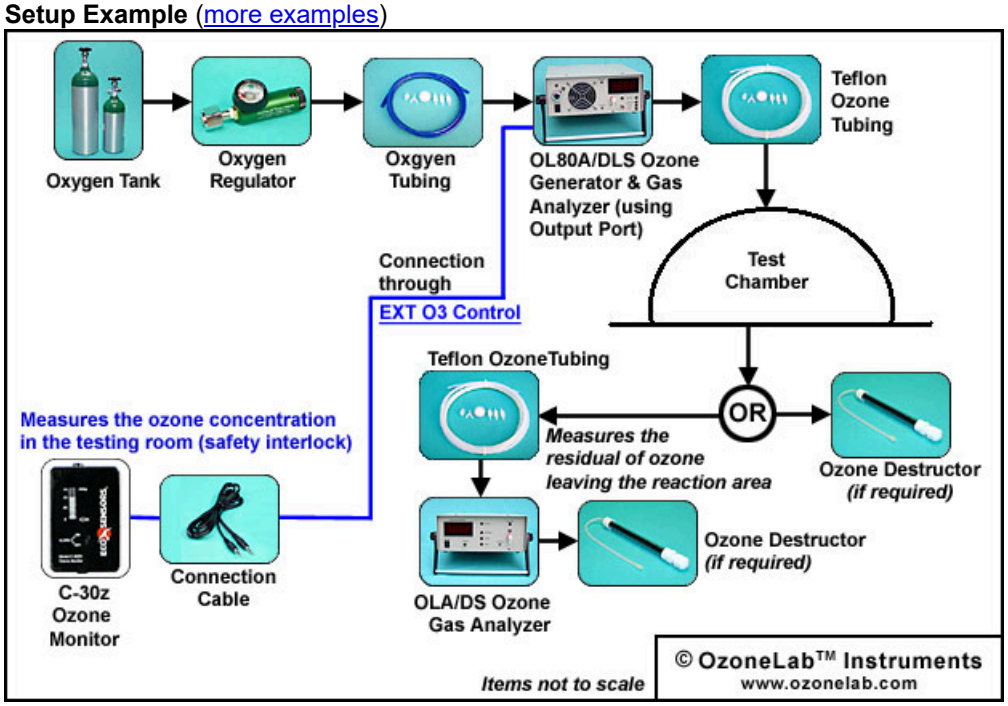
Features

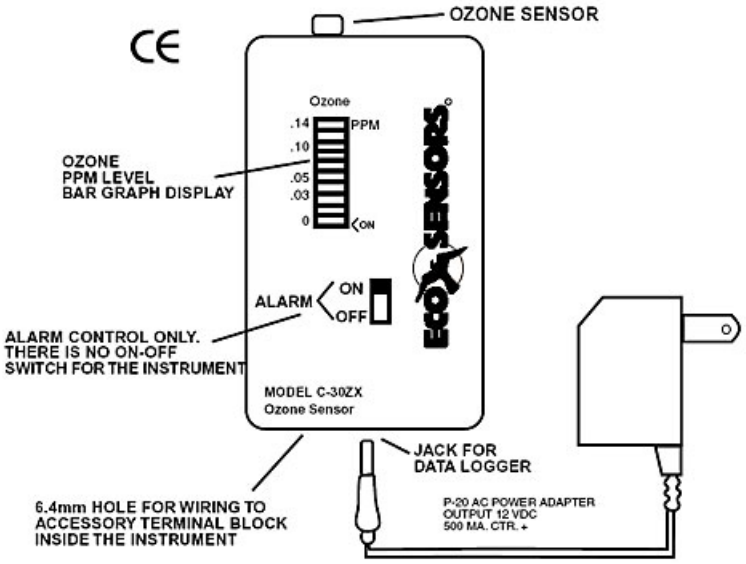
- LED readout changes color as ozone level increases
- Audio alarm and output for data logger
- Connections for external equipment control
- For general monitoring and ozone control
- Many accessories available such as data loggers, calibrators, and protective enclosures with heaters and 4-20 mA outputs

Specifications:

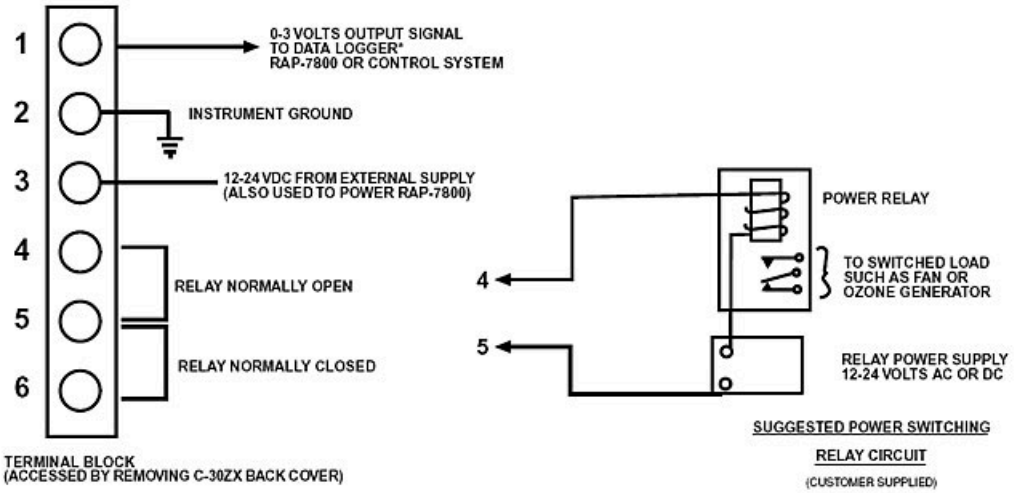
Range: .02-.14ppm of ozone (LED scale); .02-.30 ppm via external data readout
Bargraph Display: Normally green; yellow at .05 ppm (caution); red at .1 ppm (danger)
Response time: Within tenths of seconds of ozone reaching the sensor
Measurement principle: HMOS (heated metal oxide semiconductor) sensor
Size: 85 × 35 × 60 mm (3.25 × 1.375 × 2.375 in)
Weight: 140 gr (5 oz)
Power requirements: 12 VDC at 300 mA. AC adapters available worldwide.
Outputs: LED bargraph, audio alarm, 0-3 V analog output such as for data loggers, and external alarm relay contacts; alarm actuation and relay contact closure at .1 ppm (standard) and is programmable.

Setup Example (more examples)





WIRING TO THE C-30ZX



The C-30ZX internal relay is a low power device. It will handle up to 30 volts AC or DC at up to 1 amp so it will switch low voltage alarms directly. For switching power loads an intermediate relay and power supply should be used such as shown above.

CALIBRATION

Eco Sensors Model C-30ZX

BAR GRAPH CALIBRATION

BAR GRAPH C-30Z	PPM OZONE
1st green	"on" indicator
2nd green	.02
3rd green	.03
4th green	.04
1st yellow	.05
2nd yellow	.07
3rd yellow	.08
1st red	.10
2nd red	.12
3rd red	.14

ALARM SET POINT ADJUSTMENT

The set-point for the alarm and relay can be changed by opening the instrument case and locating the 8 toggle DIP switch near the sensor. The programming is:

Switch No.	PPM Ozone
1	.14
2	.12
3	.10 (standard setting)
4	.08
5	.07
6	.05
7	.04
8	.03

Please note that no more than one switch should be down (on) at a time.

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