

Low Concentration Ozone Analyzer

Inexpensive Ozone Analyzer

The UV-106 Ozone Analyzer measures atmospheric ozone in the concentration range 1.5 ppbv to 100 ppmv using the established technique of UV absorption at 254 nm. The instrument features high precision, small size and weight (4.7 lb, 2.1 kg), and low power consumption (4.0 Watt at 12 V DC) making it ideally suited for many remote field and urban network applications.



Features

- 1.5-100,000 PPB Range
- 1 PPB resolution
- proven high-accuracy UV-based Technology
- Low power consumption
- small size and light weight

Product ID: **UV-106 Rental**
 Stock: **Yes**

Returning the Unit

The return method is up to you, but we offer this simple option:

Option	Advantage to You	Price	*
Prepaid UPS Return Label	A UPS Return Label comes with the Ozone Generator saving you time and hassle. Just slap the label on the outside of the box when you are ready to return the generator and bring it to a UPS drop box.	Online Pricing	Buy Online!

Specifications

Range	1.5 PPB to 100 PPM Range
Resolution	1 PPB (0.001 PPM)
Data Averaging Available	Yes - 10-sec, 1-min, 5-min and 1-hr
Outputs	Analog (0-2.5 V) of ozone concentration
Precision & Accuracy	Greater of 1.5 ppbv or 2%
Sampling Mechanism	Active Sampling with Internal Pump
Flowrate	~ 1 LPM
Internal Datalogger	Yes
Data Storage	20,480 lines of data (10 s avg = 2.4 days, 5 min avg = 2.4 mo)
Data Outputs	RS-232, 0-2.5V Analog, LCD Display
Power Requirements	12 VDC, 4.0 W (2.9 W in low power mode) or 120/240 VAC
AC Adapter Included	Yes - ready to use for 120/60Hz or 240V/50Hz Power
Dimensions	3.5 x 8.5 x 11-in HxWxD (9 cm x 21 cm x 29 cm)
Weight	4.7 lb (2.1 kg)

UV-106 in a Vehicle



This unit is so portable (4 lbs) you can easily hook it up to a vehicle cigarette lighter adapter. Once powered you can do remote monitoring from your vehicle! Large digital display allow the ozone level to be easily read.

UV-106 with Sampling Tubing



1/4-in OD Teflon tubing transports the ozone into the UV-106 to provide instant ozone level verification from any remote site! Internal pump pulls a sample into the unit.

Everything Included



Image shows all the included parts with a UV-106!
 (From left to right)
 - Power adapter (i.e. from a battery or equivalent)
 - Cigarette lighter adapter for powering UV-106 from vehicle
 - Calibration Sheet
 - AC adapter for stationary installations
 - Birth Certificate
 - UV-106 Ozone Analyzer
 - Zeroing cartridge
 - Manual
 - RS-232 cable

UV-106 Schematic

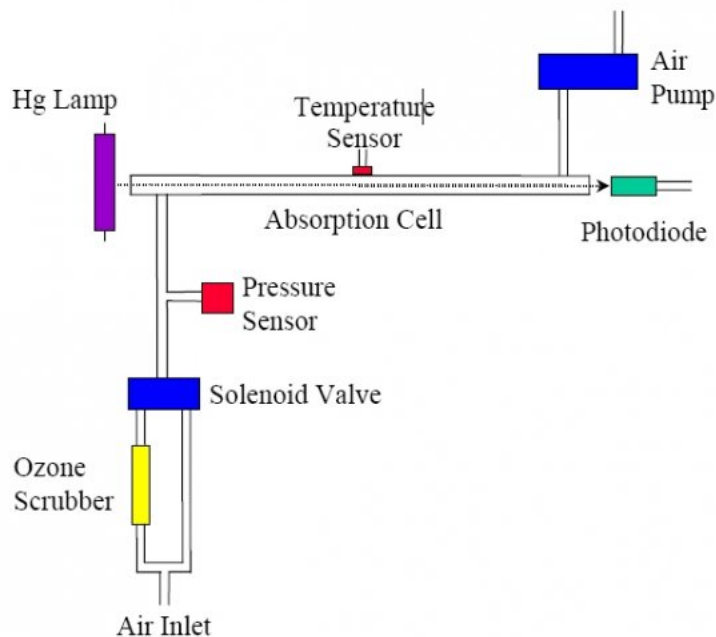


Diagram of internal flow path of UV-106 Ozone Analyzer.