

Ozone Generator



Description

Ozone Generator is a portable generator designed to produce an ozone gas concentration below 1 PPM, which can be used for detector calibration at almost any location. The generator uses a compressed air cylinder to supply dry air to an ultraviolet cell where ozone gas is formed. The resulting flow of air with a small amount of ozone exits the generator cell through fluorocarbon outlet tubing that is used to deliver the ozone standard to a gas sensor used in a gas monitor system.

Operation of the ozone gas generator is very simple. The UV generator cell is plugged into any convenient power outlet and the valve on the air cylinder is opened. The cylinder valve is a fixed flow regulator so that no flow control is required. The outlet tubing from the generator is connected to your ozone gas sensor for whatever period is needed for calibration and then the system is shut off. Ozone generator output is nominally around 0.8 PPM, but each generator is individually marked with an accurate ozone gas concentration value measured prior to shipment.

Ozone generators are supplied in a durable molded case with sufficient space for outlet tubing and calibration adapters. The basic kit contains the generator, one 103 litre air cylinder with fixed flow regulator, and 3 feet of outlet tubing.