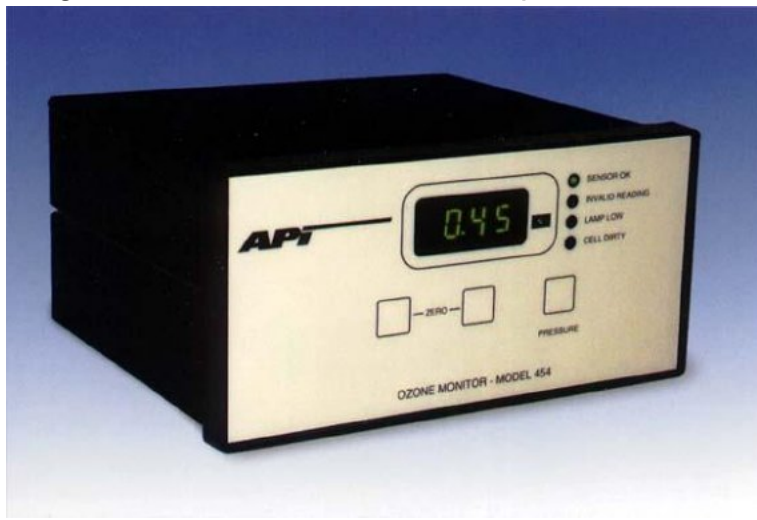


High Concentration Ozone Analyzer

High Range Ozone Analyzer

Use the compact API-454 for in line ozone concentration measurements in % by weight or g/m³. The API-454 is an accurate and reliable method of verifying the output of your ozone generator. Multiple ranges are available for the most precise measurement in any range.



Features

- Range of 0-20% or 0-400 g/Nm³
- DIN Panel Mount or NEMA 4X Enclosure
- Simple Keypad Interface, High-Visibility 4-digit Display
- Quick Warm-up Time
- Voltage Outputs, Serial Communication standard
- Temperature and Pressure Compensated

Product ID: **API-454**
 Stock: **Yes**

Specifications

Range (choose one)	0 - 5, 0 - 10, 0 - 15, 0 - 20% w/w; 0 - 100, 0 - 200, 0 - 300, 0 - 400 g/Nm ³
Response Time	less than 2 seconds to 95% of true value
Repeatability	1% of Full Scale
Zero Drift	1% Full Scale/month (non-cumulative)
Pressure Compensation	up to 3 Bar Absolute (dependent upon range)
Temperature range	5° to 45°C
Wetted Materials	316L Stainless Steel, PTFE, Sapphire
Flow	0.5 to 2 LPM
Inlet/Outlet Fittings	1/4-in stainless steel compression (std)
Display	4 digit LED readout
Analog Output	0 - 5V Full Scale standard, 4-20mA or 0-20mA isolated outputs optional
Zero Cal	Front Panel Keypad or Contact Closure Input
Digital Outputs	Sensor OK, Lamp Low, Cell Dirty, Invalid Reading, (Opto-isolated)
Serial data Interface	RS485 or RS232
Power	90-265VAC, 50/60Hz
Dimensions	1/2 DIN Panel Mount - 3.83-in (97 mm) x 7.61-in (193 mm) x 7.63-in (194 mm) (HxWxD)
Weight	4.0 lbs, (1.8 kg)

API-454 Rear View



The API-454 offers very simple ozone-in, ozone-out connections. 0-5V output terminals also allow signal processing to a central PLC or computer.

API-465H-NEMA



A NEMA version is available with model API-465H-NEMA. A NEMA model provides protection from a harsh environment where condensation and dust might be present. An internal flowmeter and ozone destruct unit are provided for additional sampling control.

API-454 Flow Chart

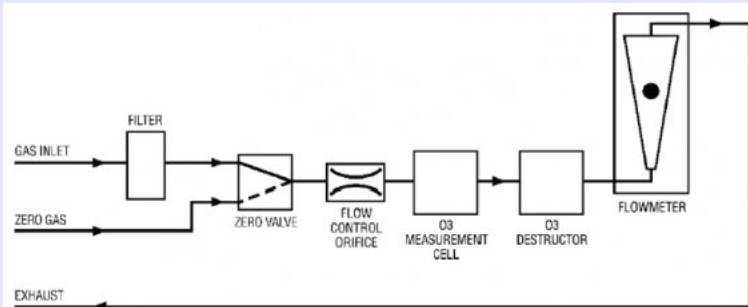


Chart shows internal components for API-454 Ozone Analyzer.