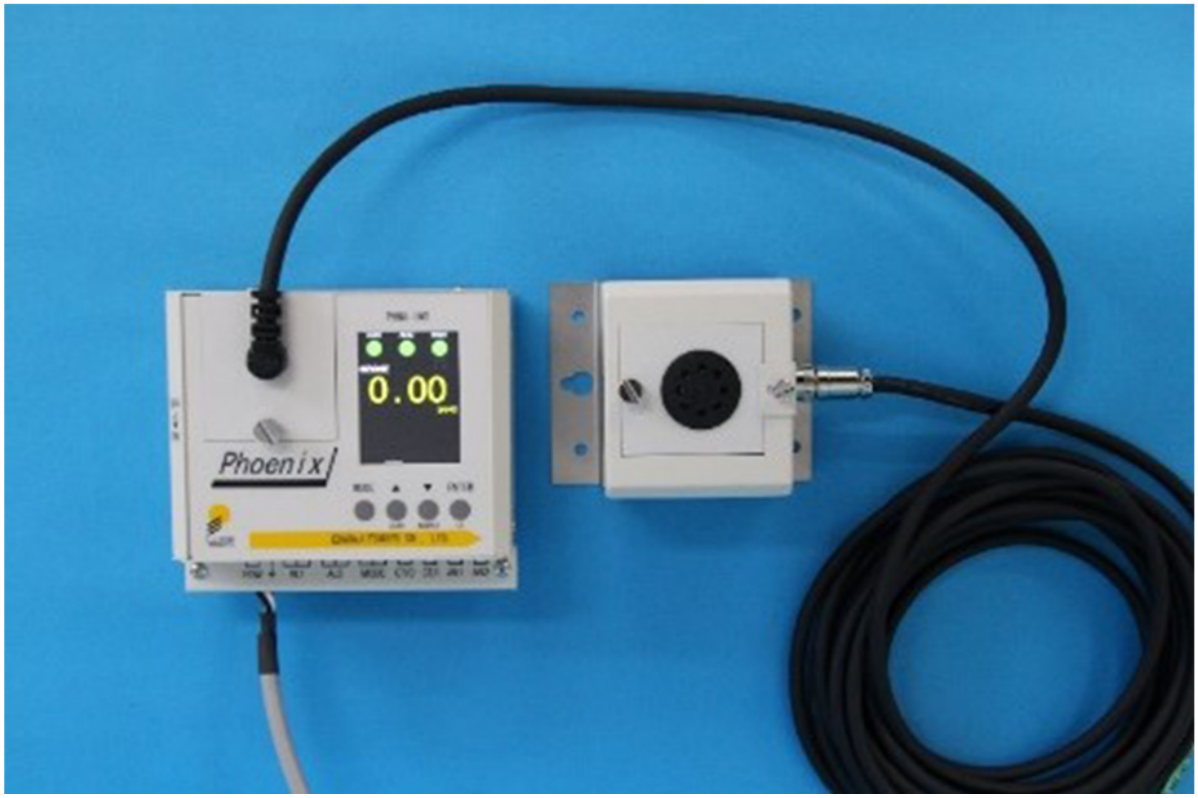


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phnx-100: continuous ozone leak detector for safety | acniti

The PHNX-100 is a wall-mounted electrochemical ozone leak detector for continuous real-time monitoring of ozone concentrations from 0-1 or 0-10 ppm. It triggers visual and acoustic alarms when thresholds are exceeded, and the sensor is replaceable without recalibration. Designed for labs, HVAC systems, water treatment, and any facility using ozone for disinfection or purification.



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monitor ozone leaks continuously with the phnx-100

- Reliable real-time ozone concentration measurement
- Alarm function when threshold values are exceeded
- Easy installation and operation
- Sensor replaceable without recalibration
- Optional CT-value monitoring

safety at a glance. measure ozone with precision.

Working with ozone offers great benefits — but also comes with risks. Ozone is a powerful oxidizer that, in high concentrations, can be harmful to human health and sensitive equipment. The PHNX-100 Ozone Leak Detector is specifically designed for reliable and continuous monitoring of ozone concentrations across a wide range of applications. This ensures your processes remain safe and your people stay protected.

what does the ozone leak detector deliver?

The key benefit is safety. This detector provides real-time insight into the presence of ozone in the air and immediately triggers an alarm when threshold values are exceeded. As a result, you avoid not only health hazards, but also unnecessary process interruptions or liability in case of an incident.

In addition, the device is built for ease of use. It’s quick to install, requires minimal maintenance, and the sensor can be replaced without the need for recalibration. This gives you maximum control with minimal effort.

who is this detector essential for?

The PHNX-100 is ideal for any environment where ozone is generated or used. This includes companies using ozone for air or water purification, installers of HVAC or disinfection systems, laboratories, or industrial facilities with strict air quality requirements. It's also increasingly used in utility buildings and facility management as an extra layer of protection.

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optional feature: ct-value monitoring

For users who need deeper insight into total ozone exposure, an optional module is available to track the CT value (concentration × time). This provides added assurance, especially for validating disinfection processes or ensuring compliance in sensitive environments.

The PHNX-100 Ozone Leak Detector for dependable ozone monitoring

Specification	Details
Measuring Range	0–1 ppm or 0–10 ppm (depending on model)
Sensor Type	Electrochemical
Detection Type	Diffusion
Display	LCD screen
Alarm Function	Visual and acoustic alarm; relay output
Relay Output	1× relay (NO/NC), max 3A @ 250V AC
Optional Analog Output Signal	DC 4–20 mA or DC 0-10V
Power Supply	AC100V±10% 50/60Hz or DC24V±4V Please specify when ordering
Power Consumption	10W
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	15%–95% RH (non-condensing)
Dimensions (L × W × H)	154 × 113 × 76 mm
Weight	Approx. 1 kg
Mounting Method	Wall-mounted
Sensor Replacement	Replaceable without recalibration
Optional Feature	CT-value (Concentration × Time) monitoring

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	General		
1	Model name	Monitor Ozone Leaks Continuously with the PHNX-100	
2	Model number	sensor_ozone_gas_detector_24vdc	
	Liquid	**Metric**	**Imperial**
3	Strainer availability and size		
	Gas	**Metric**	**Imperial**
4	Gas quality		
5	Gas remark		
	Connections		
6	Water inlet		
7	Water outlet		
8	Gas inlet		
	Dimensions & weight	**Metric**	**Imperial**
9	HS code	9027-9090	

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