



# Compact Sampling Probe

COMPACT STATIC PREDILUTION SAMPLING PROBE

AtmoDC Inc. is proud to offer to its numerous customers the Onose-8® line of products, dedicated to olfactometry and gaseous emissions sampling. This line of products includes the Onose-8® sampling probe, a tool used to dilute the gaseous samples directly at the emission source.

## PRESENTATION

Gaseous emissions from odor and contaminant point sources are often highly concentrated or have a high moisture content, often making olfactometric and analytical analysis more difficult to achieve. A predilution of gaseous emissions directly at the source, using a pure and dry air supply, is often necessary to avoid the inconveniences associated with moisture condensation or high odor concentrations of the gaseous emissions collected.

The Onose-8® compact static predilution sampling probe, designed and marketed by AtmoDC Inc., allows the dilution of the gaseous samples directly inside the emission source during the sampling procedure. Thus, diluting at the source has the advantage of reducing the concentration of contaminants and odors, as well as avoiding moisture condensation before the sample reaches the sampling bag.

## APPLICATIONS

The Onose-8® compact static predilution sampling probe from AtmoDC Inc. is equipped with two ports. The first port, located near the tip of the probe, is inserted into the point source emission in order to collect the gaseous emissions. The second port is connected to a dilution gas source (such as a bag of purified, dry air or nitrogen) used to dilute emissions from the source. Mixing of the dilution gas and the source's gaseous emissions occurs inside the point source in a specially designed dilution chamber. This minimizes the risk of moisture condensation in the sampling bag, as the temperature of the dilution gas is the same as that of the emissions from the point source. The mixture of gaseous emissions and dilution gas is then collected inside an Onose-8® sampling bag using the Onose-8® vacuum chamber.



Do you have questions? Do you need a quote?  
Contact us!

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Let our experts help you:  
+1 (450) 773-2454  
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Onose-8® is a trademark of:  
AtmoDC Inc. — Olfactometry Division

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AtmoDC Inc. has for a mandate to provide to its numerous customers the best specialized products in the field of olfactometry and gaseous contaminant sampling. Visit our website or contact us for more information or for a complete list of products and services provided by Onose-8® and AtmoDC Inc.

## BENEFITS

The Onose-8® compact static predilution sampling probe is equipped with a valve, a manometer, and tool-free fittings to connect the probe to the dilution gas supply and the Onose-8® vacuum chamber, which houses the Onose-8® sampling bag. Onose-8® sampling bags and Onose-8® vacuum chambers marketed by AtmoDC Inc. are all compatible with the Onose-8® static predilution sampling probes.

The sampling probe, made entirely of stainless steel, can withstand temperatures reaching over 500 °C and is easy to handle. The compact sampling probe can withstand relative humidity reaching nearly 100%. The compact sampling probe has a fixed dilution ratio and is offered with nominal dilution ratios ranging from 1:6 to 1:47. The probe's exact dilution ratio is indicated on the calibration certificate included with the unit.

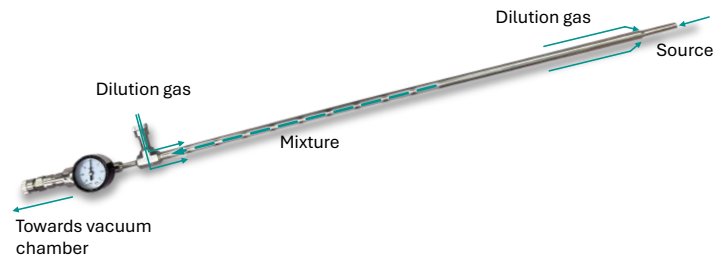
The compact static predilution sampling probe features a robust construction that reduces the potential for leakage and offers a compact profile that lets the probe fit into sampling ports larger than 3/8 in. in diameter.

In addition to its Onose-8® product range, AtmoDC Inc. also provides professional services in the field of gaseous emissions and odour management.

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## TECHNICAL INFORMATION

Instrument	Onose-8® Compact Static Predilution Sampling Probe					
Product Number	ATM-SS-P-600-C-0640	ATM-SS-P-600-C-0840	ATM-SS-P-600-C-1040	ATM-SS-P-600-C-1240	ATM-SS-P-600-C-1440	ATM-SS-P-600-C-1840
Manufacturer	AtmoDC Inc.					
Length <sup>1</sup>	600 mm (24 in)					
Body Diameter	9.53 mm (3/8 in)					
Material	Stainless Steel					
Maximum Temperature	More than 500 °C					
Nominal Dilution Ratio <sup>1,2</sup>	1:47	1:27	1:18	1:12	1:9	1:6
Dilution Adapter Type	Fixed, welded to the body					
Number of Dilution Adapters	1 (fixed), selected at order time					

<sup>1</sup> Special orders accepted

<sup>2</sup> The exact dilution ratio is indicated on the calibration certificate included with the unit

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