



# Sampling Probe

STATIC PREDILUTION SAMPLING PROBE

Consumaj 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 contaminants and odours from point source emissions are often concentrated or have a high moisture content, often making olfactometric and analytical analysis difficult to achieve. Predilution of gaseous emissions directly at the source using a pure and dry air supply is often necessary to avoid inconvenience associated with moisture condensation or strong odour concentration of the gaseous emissions collected. The Onose-8® sampling probe, designed and marketed by Consumaj Inc., allows the dilution of the gaseous samples directly inside the emission source during the sampling procedure. Thus, the dilution at the source has for advantage to reduce the contaminant and odour concentration and also to avoid moisture condensation before the sample reaches the sampling bag.

## APPLICATIONS

The Onose-8® static predilution sampling probe has two ports. The first port is inserted into the point source emission in order to collect the gaseous emissions. The second port is connected to a pure, dry air supply used to dilute emissions from the source. The mixture of pure air and gaseous emission occurs inside the point source in a specially designed mixing chamber. This dilution minimizes the risk of moisture condensation in the sampling bag since the temperature at which the dilution between the pure air and the gaseous emission occurs is the same as the temperature of the point source. The mixture of gaseous emissions and pure air is then collected with the Onose-8® vacuum chamber inside an Onose-8® sampling bag.



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

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**onose-8**

Let our experts help you:

1-450-773-6155

odour@consumaj.com

Onose-8® is a trademark of:  
Consumaj Inc. –Olfactometry Division

2550, Vanier Avenue, Saint-Hyacinthe, Québec, Canada, J2S 6L7 | Phone : 1-450-773-6155 | [consumaj.com](http://consumaj.com)

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Consumaj Inc. has for 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 Consumaj Inc.

## BENEFITS

The Onose-8® static predilution sampling probe is equipped with a valve, a nanometer and tool-free quick disconnects valves in order to connect the probe to the pure air supply and to the Onose-8® vacuum chamber that holds the Onose-8® sampling bag. The Onose-8® flux chamber, the Onose-8® vacuum chamber and the Onose-8® sampling bag are compatible with the Onose-8® sampling probe.

Two types of probes are available in the Onose-8® line of products. The first sampling probe, made entirely of stainless steel, can withstand temperatures reaching over 500 °C. The second sampling probe, made of Teflon® and stainless steel, is easier to handle, is more compact and can withstand temperatures reaching up to 120 °C. The two types of sampling probe can withstand relative humidity reaching nearly 100 %. Regardless of the type of sampling probe used, the probe dilution ratios can be changed as needed. Dilution ratios offered with the Onose-8® static predilution sampling probes vary between 1:2 and 1:80.

## TECHNICAL INFORMATION

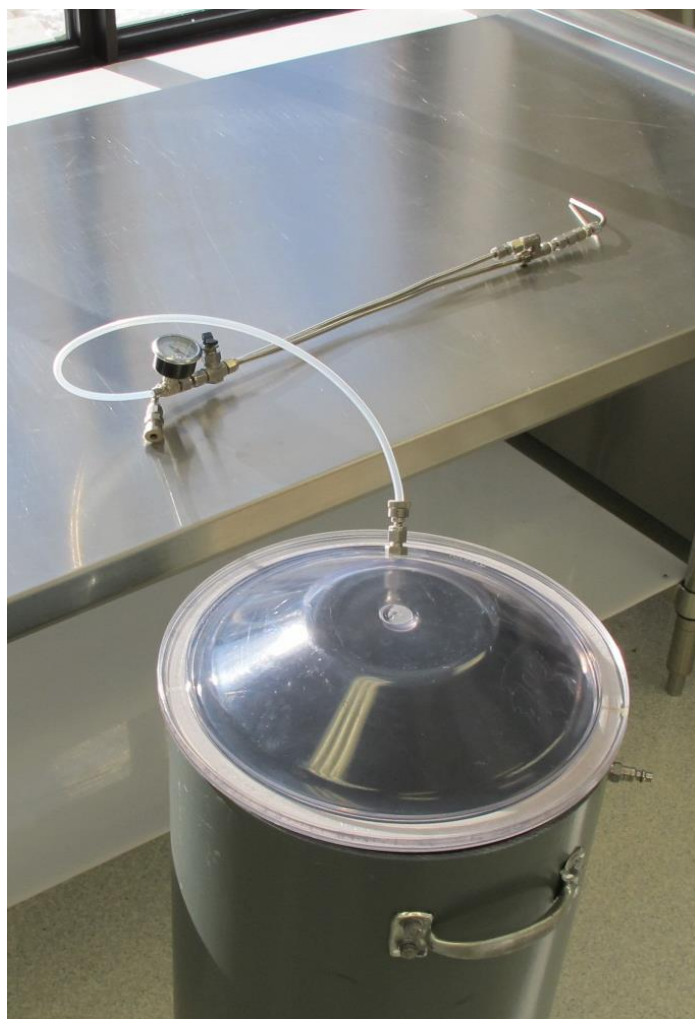
Instrument	Onose-8® Sampling Probe	
Product Number	CMJ-SS-P-600-5KIT	
	CMJ-SS-P-600-(X-DIL)	
	CMJ-SST-P-600-5KIT	
	CMJ-SST-P-600-(X-DIL)	
Manufacturer	Consumaj Inc.	
Length*	600 mm (24 in.)	
Material	Stainless steel only	CMJ-SS-P-600-5KIT
		CMJ-SS-P-600-(X-DIL)
	Stainless steel and Teflon®	CMJ-SST-P-600-5KIT
		CMJ-SST-P-600-(X-DIL)
Dilution Ratio	From 1:2 to 1:80	
Maximum Temperature	More than 500°C	CMJ-SS-P-600-5KIT
		CMJ-SS-P-600-(X-DIL)
	Up to 120°C	CMJ-SST-P-600-5KIT
		CMJ-SST-P-600-(X-DIL)

\* Special orders accepted

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

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 onose-8

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