

DS5 STACK DILUTING SAMPLER

Perfect Sampler for Hard to Reach Places



The DS5 stack diluting sampler is an easy-to-use device that provides accurate pre-dilution of high-temperature gas emissions with nitrogen or zero-air to minimize condensation inside the sample bag.

If hot gasses emitted from a stack are directly placed in a Tedlar or nalophan bag they begin to develop condensation. These small droplets of water absorb many of the critical components that contribute to the overall odour of the sample. The stack diluting sampler eliminates this problem by mixing the stack air with dry clean Nitrogen so that the moisture can't condense inside the bag.

The mixing happens inside the probe and since the probe becomes at the same temperature as the stack air, there is no chance of the sample developing condensation before being mixed with Nitrogen.

How to Use

Attach sample bag

Open valve on the nitrogen micro tank

Select the desired dilution from 1:3 to 1:305 bu, while installing the corresponding dilution disk

Insert the probe into the stack and allow 3 minutes for it to reach the same temperature as stack gases

Press the trigger and wait for the sample bag to fill



Probe	Flue gas heated probe
Surfaces	Pure stainless steel wetted surfaces
Hardware	Includes sampler, nitrogen micro-tank with both filler and regulator
Operation	One-touch sampling operation
Sampling Time	Grab and time sampling from 1-17 litres per minute
Portability	Lightweight and easy to carry
Durability	High-temperature compatibility to allow for direct stack sampling

Fast and Reliable

With a back-pack containing a micro-nitrogen tank and simple one push operation, the DS5 is the most reliable, fast, and easy to use diluting sampler ever created

Meets all Standards

The DS5 has been designed to meet all European, American, and Canadian sampling standards

Accurate Pre-Dilution

Dilution is achieved inside the heated probe and can be controlled from 1:3 to 1:305 in 14 steps

Ultra Portability

The DS5 is a light-weight and ultra-portable sampling solution for use with field instruments

Eliminates Sample Condensation

DS5 provides accurate pre-dilution of high temperature gas emissions with nitrogen or zero-air to minimize condensation inside the sample bag

Unparalleled Workmanship

All parts have been meticulously tested using Scentroid's iso9001 certified quality management system

