

DS5



AIR ENVIRONMENT CONSULTING

DILUTING SAMPLER

SCENTROID

Stack 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. Dilution is achieved inside the 35 mm heated probe and can be controlled from 1:1 to 1:1400 in 10 steps.

► CAPABILITIES

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 the same temperature as the stack air, there is no chance of the sample developing condensation before being mixed with Nitrogen.

► OPERATION

1. Attach the Sample bag.
2. Open the valve on the Nitrogen micro-tank.
3. Select the desired dilution from 1:1 to 1:100.
4. Insert the probe into stack and allow a minute for it to reach the same temperature as the stack gases.
5. Press the trigger and wait for the sample bag to fill up.
6. Switch to sample function again and fill the bag with.



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