



Portable Dynamic Dilution Sampler

DDS

Dynamic Dilution Sampler for VOC Emission Sampling

The DDS system incorporates both the sampler and dilution unit in a single unit and is powered by an internal rechargeable battery with large capacity and a battery life of about 7 hours.

The DDS is equipped with a diaphragm pump, precision flowmeter, and volumetric counter.

The two flows are independently regulated, this allows the dilution ratio to be changed and meet the different conditions that can be found in emission.

Volumetric meter temperatures are read by two digital thermometers.

Multistage protection on the suction prevents damage to the instrument due to accidental aspiration of liquids while that on the dilution air removes all kinds of particulates and organic pollutants.



DDS/EG SAMPLING PROBE



The DDS sampler can be used with the sampling probe for gaseous compounds.

See the Product Data for more information:

→ EP014.01

MAIN FEATURES

- In accordance with EN 13649 standards;
- Multistage protection trap on the suction;
- Multistage filter on the dilution air;
- Built-in volumetric meter with uncertainty less than $\pm 2\%$;
- Flow rate between 0.15 and 1.2 l/min;
- Dilution ratio stability better than 5%;

Sampling Line:

Flow rate range	Da 0,15 a 1,2 l/min
Pump type	Membrane
Dry gas meter uncertainty	$\pm 2\%$ with associate temperature
Flow adjust flowmeter	Range from 0,1 a 1,2 l/min

Dilution air generation line:

Flow rate range	Da 0,15 a 1,2 l/min
Pump type	Membrane
Dry gas meter uncertainty	$\pm 2\%$ with associate temperature
Flow adjust flowmeter	Range from 0,1 a 1,2 l/min
Dimensions (L x L x A)	270 x 270 x 300 mm
Weight	10,5 Kg
P/N	AC99-007-0100SP

