

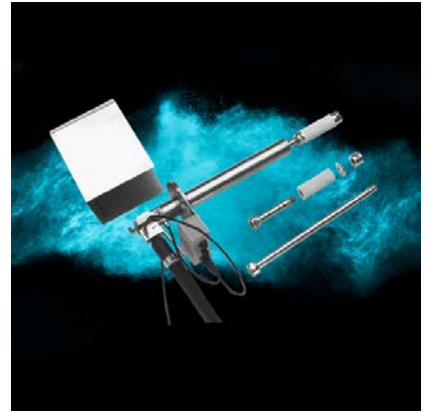
Gas Sampler

GO-ES 250

Sampling- Processing- Analysis

GAS SAMPLER GO-ES 250

Fully heated gas sampling probe with internal coarse filter.



Extracting a sample from the main gas flow requires extreme caution in order to ensure accurate test results.

Starting at the sampler head, a heated sample gas line can also be used as a transport medium. A bracket is available for mounting it.

The sample should be taken basically unchanged, but freed of particles as far as possible in order to avoid clogging the downstream gas passages.

The filter attached to the sampler tip is practically maintenance free due to its large dimensions and its position in the hot flue gas.

In this context, the passage of the gas through the wall of the chimney or flue is particularly important. At this point, the sampled gas may cool below the dew point and form condensation. This condensation is undesirable because, on the one hand, components to be measured may be lost in the condensate, and no longer be available for a quantitative analysis of the substances to be analysed. On the other hand, fine dust combines with the condensate and starts to clog the gas passage.

The optional use or combination of extension tubes and/or filter element brackets make it possible to extract gas samples at a wide range of depths.

The use of filters with varying granularity makes it possible to extract practically equal amounts of gas at different depths of the chimney cross section.

This condensation is prevented by heating the gas passages. The gas sampler GO-ES 250 has the advantage of not only heating the sampler head, which is located outside the chimney, but also the adjacent sampler tube, which is located partially inside and partially outside the warm chimney. It is heated above the acid dew point in order to bridge this critical passage.

ADVANTAGES

- ☑ Compact design
- ☑ Measurement of up to four gas components simultaneously
- ☑ Maximum of three infrared-active gases
- ☑ Electrochemical oxygen measuring cell
- ☑ Custom extensions possible

PERFORMANCE PROFILE GO-ES 250

Temperature range	0 - 250 °C, electronically controlled
Max. sampling temperature	600 °C
Length	510 mm (from flange with filter unit)
Extension tube	250 / 500 / 1000 mm
Length of filter unit	180 mm
Filter granularity	10 / 20 µ
Materials	Stainless steel 1.4571, ceramic
Mounting flange	DIN 1527, PN 6, NW 65
Weight	approx. 9,5 kg
Power consumption	max. 400 VA
Power supply	4-pole round plug connector
Mains	230 V, 50 Hz



OPTIONS

- Verlängerungsrohre
- Extension tubes (unheated)
- Sample gas junction in sampler head
- Weather protection hood
- Sintered metal filter in sampler head
- Sintered metal filter in sampler tip

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