

OXYGEN ANALYSER MODEL 5185



The Fer Strumenti Mod 5185 Oxygen analyser uses a fully stabilized zirconium oxide cell. Long experience with high temperature oxygen analysers ensures total confidence in this model which incorporates a heating element to raise the cell to the working temperature.

To obtain the correct air/fuel ratio in a combustion process it is essential to measure the content of oxygen present in the flue gas.

Such measurement is possible with the 5185 Analyser which measures the percentage of O₂ directly in the stack or ducts; without the need for gas extraction.

PROBE

The probe has been studied to enable the Oxygen measuring in a flue gas even in small dimensions boilers and furnaces. Fully stainless steel for the part in contact with the combustion products, this model has the same working characteristics of the models studied for bigger boilers.

No reference air is needed for this model due to short insertion length.

TECHNICAL SPECIFICATIONS

- Accuracy: 1% of the theoretical value or 0,1% O₂ (whichever is greater) if used if used with Fer Strumenti transmitters.
- Stability : within 1%
- Operating temperature :
 - 400 °C max. for the part inside the process
 - 150 °C max. for the head of the probe.
- Thermocouple : type K
- Heater : 230 V or 110 V - 200 V A max.
- Process connection : male thread 1 1/2" gas
- Dimensions :
 - Ø of wet part: 43 mm.
 - Length: 200 mm
 - Weight : kg 4,5

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