

Advance Optima – Convincing State-of-the-Art Calibration Concepts



- Simplified calibration concepts with calibration cells or with ambient air or standard gas, e.g. N₂
- Eliminating the need for test gas bottles in most cases
- Lower cost of ownership
- Reduced maintenance expenses
- No storage of test gas bottles
- Higher availability
- Simplified system design
- No use of toxic gases

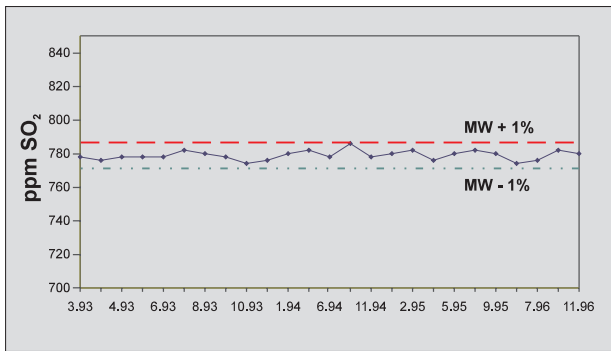
Analyzer systems have to be calibrated from time-to-time in order to guarantee stable and plausible measuring values. The test gases and components normally needed for calibration contribute considerably to the cost of ownership.

The modular designed Advance Optima sets an industry standard with its state-of-the-art calibration concepts.

Simplified Calibration Concepts

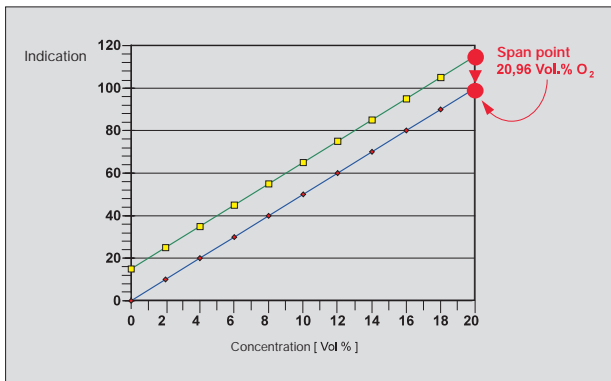
The concept of calibration without test gases varies for each of the different analyzer modules. For the span point calibration of the infrared analyzer module Uras 14 and UV-photometer Limas 11-UV patented gas-filled calibration cells are used. The zero point is adjusted with ambient air.

The German TÜV proved for example the stability of the Uras 14 calibration cells by testing them over a period of 6 years.



Excerpt from stability test of Uras 14 calibration cells

To calibrate the oxygen analyzer module Magnos 16 and the thermal-conductivity analyzer module Caldos 17 only dried ambient air or standard gas, e.g. N₂, is required. The extreme stability of the calibration cell is utilized.



Magnos 16, one-point calibration

Reduce your Cost of Ownership

Because of its simple system design Advance Optima will reduce your investment costs, thus reducing your cost of ownership. Moreover, Advance Optima's state-of-the-art calibration concepts eliminate the need to purchase and store expensive bottles of test gases associated with conventional calibration methods. This contributes considerably to a further reduction of your operating expenses.

Reduced Maintenance Costs

The design simplicity of Advance Optima equates to lower maintenance costs because there are fewer parts to wear out, and the compact system needs less space in a shelter or plant.

Without the need for expensive calibrating gases the use of toxic test gases is minimized, and the logistics and costs associated with the supply of these bottled test gases are no longer required.

Despite its advanced performance capabilities, Advance Optima is simple to use and easy to maintain. Our user-friendly display walks you through setup and operational tasks. With lower maintenance expenses it is now possible to execute all jobs on time – even with less personnel.



Set signals with state-of-the-art calibration concepts

