



1 Concept for a gas measuring station with test gases, mass flow controllers, temperature-regulated measuring chamber and user-friendly control software.

INDIVIDUAL GAS MEASURING STATION: DEVELOPED AND PRODUCED TO CUSTOMER REQUIREMENTS

Gas measuring stations by Fraunhofer IPM

For characterizing gas sensors and gas sensing systems, Fraunhofer IPM uses gas measuring stations: You can benefit from the advantages of these gas measuring stations in your company, too. We develop suitable gas measuring stations basing on your specific concept and requirements.

This gives you the opportunity to characterize your sensors and sensor systems yourself. The gas measuring station allows simultaneous pressurization of test gases, regulation of temperature, current and air humidity, as well as acquisition of data. You indicate which gases you need, such as N_2 , O_2 and test gases, inert gases, clean gases like CO_2 , CH_4 or C_2H_2 , as well as the air humidity range.

We will create a design for you, including:

- Mass flow controllers (MFCs) and valves, including control unit for regulating gases and gas flows
- Gas feed, incl. stainless-steel piping
- Measuring device for reading your sensors and sensor systems
- Voltage supply for sensors
- Humidifier
- Measuring chamber for placement of your gas sensors, with PC interface
- Climate chamber
- Reference sensors
- PC, including software for controlling the MFCs, the valves and the temperature of the climate chamber, and for reading the measuring devices and reference sensors

Give us a call and take advantage of our expertise in gas measuring stations!

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