



OHG-4 Humidity Generator

Generate controlled relative humidity from 1- 90%

What is it?

The OHG-4 is a versatile humidity generator that is used to produce a range of relative humidity concentrations from 1 to 90%rh ($\pm 1\%$). When used in the GEN-SYS, in combination with an OVG-4 and an OFC-1, it can generate a wide range of vapor standards, suitable for calibration of sensors, especially gas sensors. In the OHG, the airflow is controlled by a mass flow controller. A flow suitable for the application is set using the front panel Wet Air Flow control, this controls the mass flow controller (MFC). Downstream of the MFC the airflow is split into two flow paths, the first of which bubbles through the water reservoir. Downstream of the reservoir the two flows are recombined. The ratio of the two needle valve settings controls the humidity of the output air.



TECHNICAL SPECIFICATION:

Gas	Air/nitrogen
Inlet pressure	40psi
Inlet fitting	1/4" Swagelok quick connect
Outlet connection	1/8" Swagelok compression
Power supply	24V
Current rating	0.5A
Fuse	T1AH250V
Humidity, lower limit	~1%rh, lower limit dependant on customer
Humidity, upper limit	No less than 90%rh
Wet gas outlet flow range	300-3000ml.min-1