



# ULTIMATE HG

## PRESENTATION

The latest-generation "**Ultimate Humidity Generator**" from Calneos will take you into humid atmospheres you've never experienced before.



Temperature range

5-95°C - Stability < 0.05°C

Speed ramp

Max. 3K/min heating  
1 K/min cooling

Humidity range

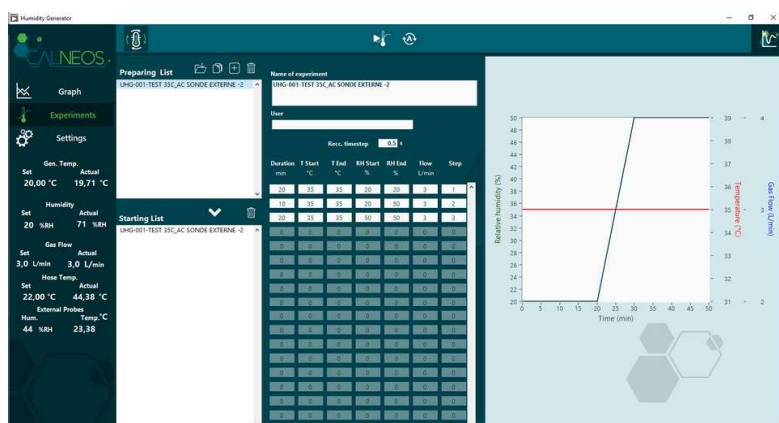
5-95% - Stability +/- 0,8%

## PERFORMANCE

Its precision humidity and temperature control make it an extremely reliable tool for generating a stable humidity flow.

## SOFTWARE

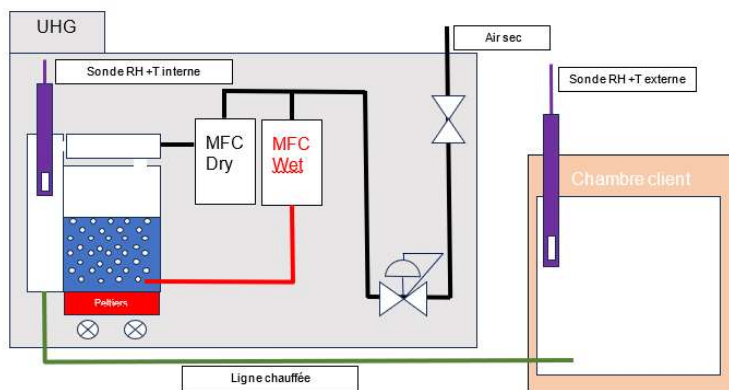
Its user-friendly software will enable you to configure your experiments very easily.



## TECHNICAL SPECIFICATIONS

Humidity and temperature can be controlled using external probes and can be synchronised with another measuring instrument (TGA for example).

Min temp. : 5°C	Max temp. : 95°C
RH min. : 5%	RH max. : 95%
Flow rate (ml/min)	0-5000
Precision RH	+ / - 0,8% Stab. <1% on 10-80% Stab. < 2.5% on extreme RH
Temp. accuracy	Stability < 0,05°C
Transfer line	Integrated 2 m
Dimensions-weight	475 x 400 x 325 - 20 kg



## OPERATION

A stream of dry gas is divided into two flows: one is saturated to 100% humidity, then the 2 flows are mixed in a temperature-controlled chamber. Two internal sensors regulate the temperature and humidity of the flow. This flow can then be fed into a chamber via a heated transfer line. As an option, external probes can be used to monitor the flow in the chamber.



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