HygroGen





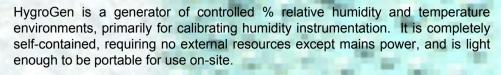
Portable Humidity and Temperature Calibrator

- Generates controlled %rh & °C environment
- Fully integrated temperature control
- Suitable for all types of humidity/temperature probe
- Completely self-contained, only requires mains power
- Chamber accepts up to five probes
- Wide operating range
- Fast equilibrium
- Portable, stainless steel enclosure

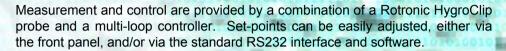


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The HygroGen uses a divided flow method for generating the %rh required by the user; a desiccant cell provides low humidity and a custom saturator high humidity. Temperature is controlled using a Peltier.



The key advantage of the HygroGen is the speed to reach equilibrium of the set values, which means that a multiple point calibration check can be performed in minutes, rather than hours. A further feature of the calibration chamber is the provision of two additional probe connection points, enabling calibrated reference probes to be added. Where a primary measurement method is required, such as a condensation hygrometer, an optional front panel connection provides means of integrating an external sampling loop. This configuration flexibility ensures that the HygroGen can continue to be used whilst the preferred reference instrumentation is itself being calibrated.



With integrated temperature control, calibrations can always be performed at a defined and constant temperature, irrespective of the ambient conditions, making the HygroGen suitable for on-site calibrations. It is also possible to calibrate equipment at its normal working temperature and humidity conditions.



