

HG600 PORTABLE HUMIDITY GENERATOR



HG600 is a portable dual-flow humidity generator. Based on the semiconductor thermostat technology, it can generate various humidity environment within the set temperature range. Built-in dual pumps and stirring fan can quickly respond to the set humidity value. HG600 can finish the calibration operation within a short time since its stability time is less than 10 minutes.

Cal Power

Strumentazione e Sistemi
per Metrologia, Power Supply
T&M, Processo



- Humidity control range 10~90%RH
- Temperature control range 10~40°C
- Humidity stability $\pm 0.2\%RH$
- Temperature stability $\pm 0.1^\circ C$
- Built-in Li-polymer battery can work continuously for 8 hours
- 7-inch color touch screen for excellent user experience
- Chamber: 7cm (diameter) x 5cm (depth) + the hatch (tot. 7cm)
- Stability time less than 10 minutes in full scale.
- Support RS232/485, USB (only for service), LAN



TEST HATCH
COMPATIBLE WITH A VARIETY OF
TEMPERATURE AND HUMIDITY PROBES

POWER PORT

ANALOG SIGNAL INTERFACE

DIGITAL SIGNAL INTERFACE

PORTABLE EXPLOSION-PROOF CASE

POWER KEY

TFT TOUCH SCREEN

HEAT VENTS

HANDLE

WATER INLET/OUTLET

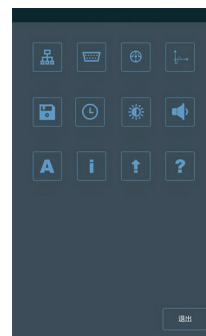
SEALING BUCKLE

Excellent UI Design

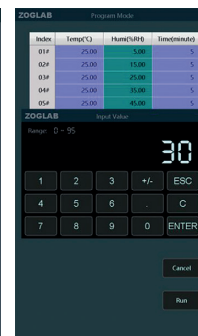
UI for HG600 is simple and easy. The basic functions such as temperature and humidity setting, programming, etc., can be quickly realized by pressing the proper keys. The user can view the data change via the curve graph. There are shortcut keys at the bottom of UI, such as storage management, reading hold, screen shot, day and night mode, system setting, screen lock, etc.



GRAPH INTERFACE



SYSTEM SETTING



Programmable Humidity Calibration

HG600 can conduct programmable humidity calibration according to the user's calibration requirement. After the set calibration point is stable, the stable humidity condition can last for long time. Set the steps and holding time for convenient reading. Set the calibration points, stable time and error judgment, etc. to realize the fully auto calibration.





Humidity generation

- Support fast humidity generation 10~90%RH
- Stability time less than 10 minutes



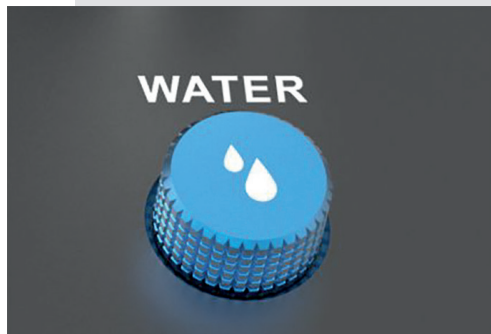
Display

- 7 inch TFT LCD display
- Capacitive touchscreen



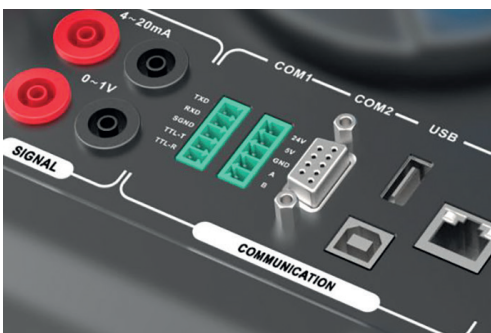
Drying drum

- Fast-assembling design
- Support desiccant fast change



Automatic water filling

- Support automatic water filling and liquid level detection
- Support automatic drainage



Communication

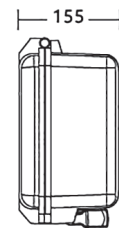
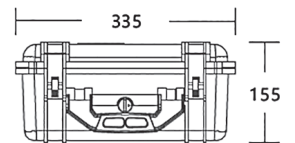
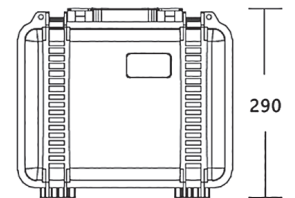
- RS232/485, USB (only for service), LAN
- Support remote control and networking
- Support embedded web operation



Power supply

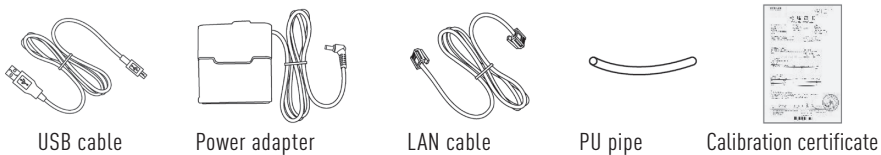
- Standard 100~240VAC power adapter
- Built-in Li-polymer battery can work continuously for 8 hours

Technical Specification	
Humidity control range	10%RH~90%RH
Temperature control range	10°C~40°C
Temperature stability	±0.2%RH
Humidity accuracy of standard probe (23°C)	±0.1°C (23°C±2°C) ±0.2°C (Full scale)
Humidity accuracy of standard probe (23°C)	±1.0%RH(10~90%RH) ±2.0%RH (≤10, ≥90%RH)
Temperature accuracy	±0.2°C
Temperature and humidity stability of the verification chamber	±0.2%RH; ±0.1°C
Temperature and humidity uniformity in the verification chamber	±0.3%RH; ±0.2°C
Humidity adjustment response time	30%RH change in less than 5 minutes
Average heating rate	3.0°C
Average cooling rate	1.0°C/min (ambient temperature is lower than 23°C)
Calibration chamber inner diameter size	Ø70,5x37mm
Calibration window size	Ø14~19mm special size optional
Battery type	Lithium polymer, 16.8V 9600mAh
Battery life	Around 4-8hours
Operating environment	-10°C~40°C, 10%RH~95%RH (No condensation)
Storage environment	-20°C~70°C, 10%RH~95%RH (No condensation)
Desiccant	Molecular sieve desiccant
Power supply	100~240VAC 1.5A, 50/60Hz
Digital signal interface	RS232/485, USB, LAN, Wi-Fi*
Analog signal interface	4~20mA, 0~1V
Dimensions	335mm ×290mm ×155mm
Weight	8kg
Certificates	CE, FCC, VCCI, C-TICK

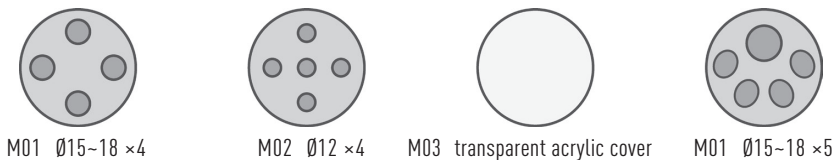


*is optional function, can be customized.

Standard Accessories



Optional Accessories Working hatch



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