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 5~90%RH

- Temperature control range 10~40°C

- Humidity stability ±0.2%RH

- Temperature stability ±0.1°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

POWER KEY

TFT TOUCH SCREEN

HEAT VENTS

HANDLE

WATER INLET/OUTLET

ANALOG SIGNAL INTERFACE

DIGITAL SIGNAL INTERFACE

PORTABLE EXPLOSION-PROOF CASE

SEALING BUCKLE

Excellent UI Design

UI far 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
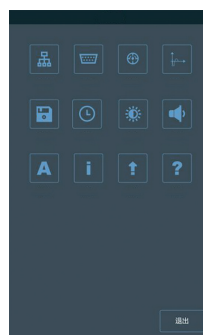
Programmable Humidity Calibration

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

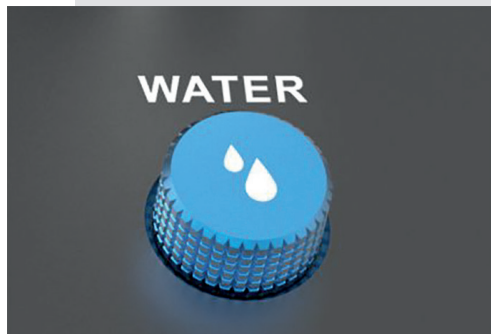- Support fast humidity generation 5~90%RH
- Stability time less than 10 minutes

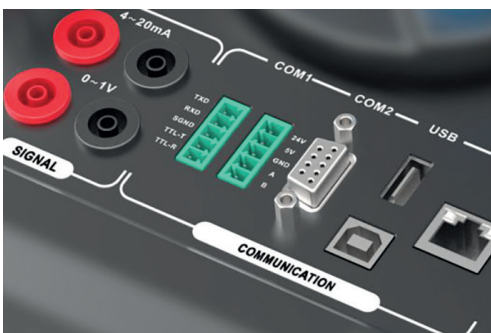## Display

- 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	5%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

290

335

155

155

*is optional function, can be customized.
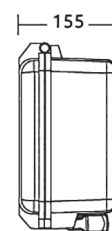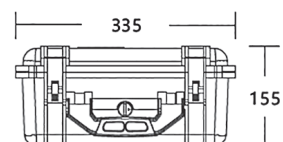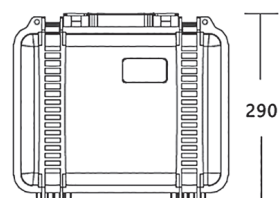
Standard Accessories
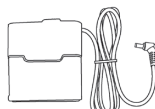
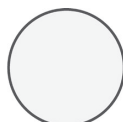| USB cable	Power adapter	LAN cable	PU pipe	Calibration certificate

Optional Accessories   Working hatch
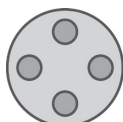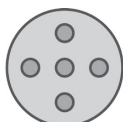
M01 Ø15~18 ×4	M02 Ø12 ×4	M03 transparent acrylic cover	M01 Ø15~18 ×5

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