

- 300 ~ 1100hPa generator range
- $\pm 0.010\%$ FS control accuracy ; 0.002%FS control stability
- Support internal and external pressure standard
- Supports two channels different ranges generators
- 9 inch touch screen with TFT display



PG6000

PRESSURE GENERATOR





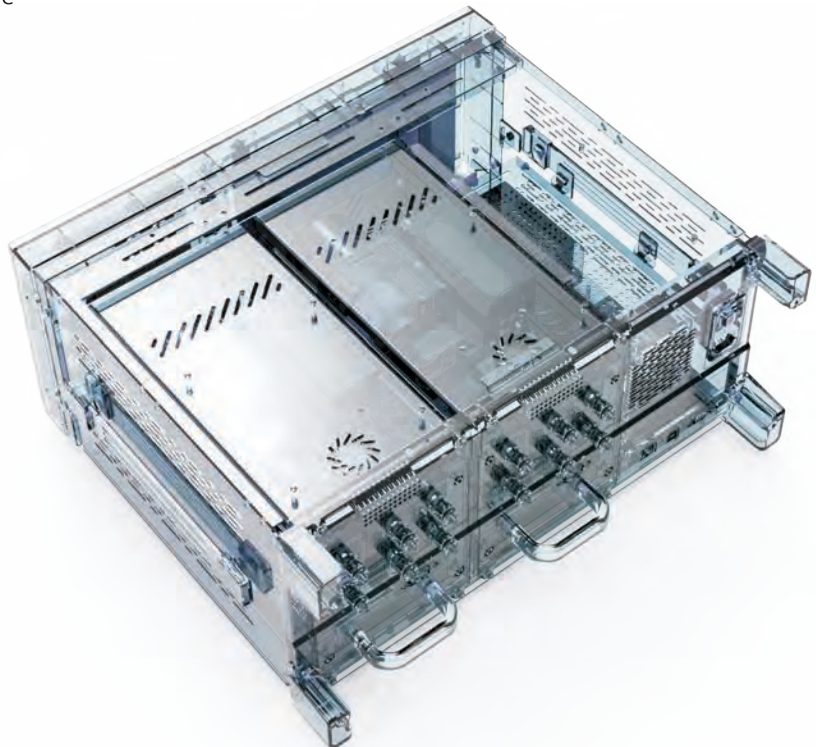
PG6000

PRESSURE GENERATOR

PG6000 fully automatic pressure generator is an ideal choice for automatic pressure calibration. It can generate and reach to any pressure between 300hPa and 1100hPa with built-in high accuracy pumping source, and the pressure control resolution could reach 0.001hPa. Various communication interfaces and internal & external pressure standards are available.

PG6000 automatic pressure generator series contain two independent precision pressure control and adjustable channels. When the standard pressure range is lower than 15psi for gauge pressure or 30psi for absolute pressure, the pressure source is powered by the internal mini pressure generator, so no need for an external gas source.

- 300~1100hPa generator range
- $\pm 0.010\%$ FS control accuracy; 0.002%FS control stability
- Support internal and external pressure standard
- Supports two channels different ranges generators
- 9 inch touch screen with TFT display
- RS232/ RS485/ USB/ LAN interface
- Support USB flash disk
- Support multi-language



PG6000 • Host Machine



UI
Pressure setting, measuring,
programming...

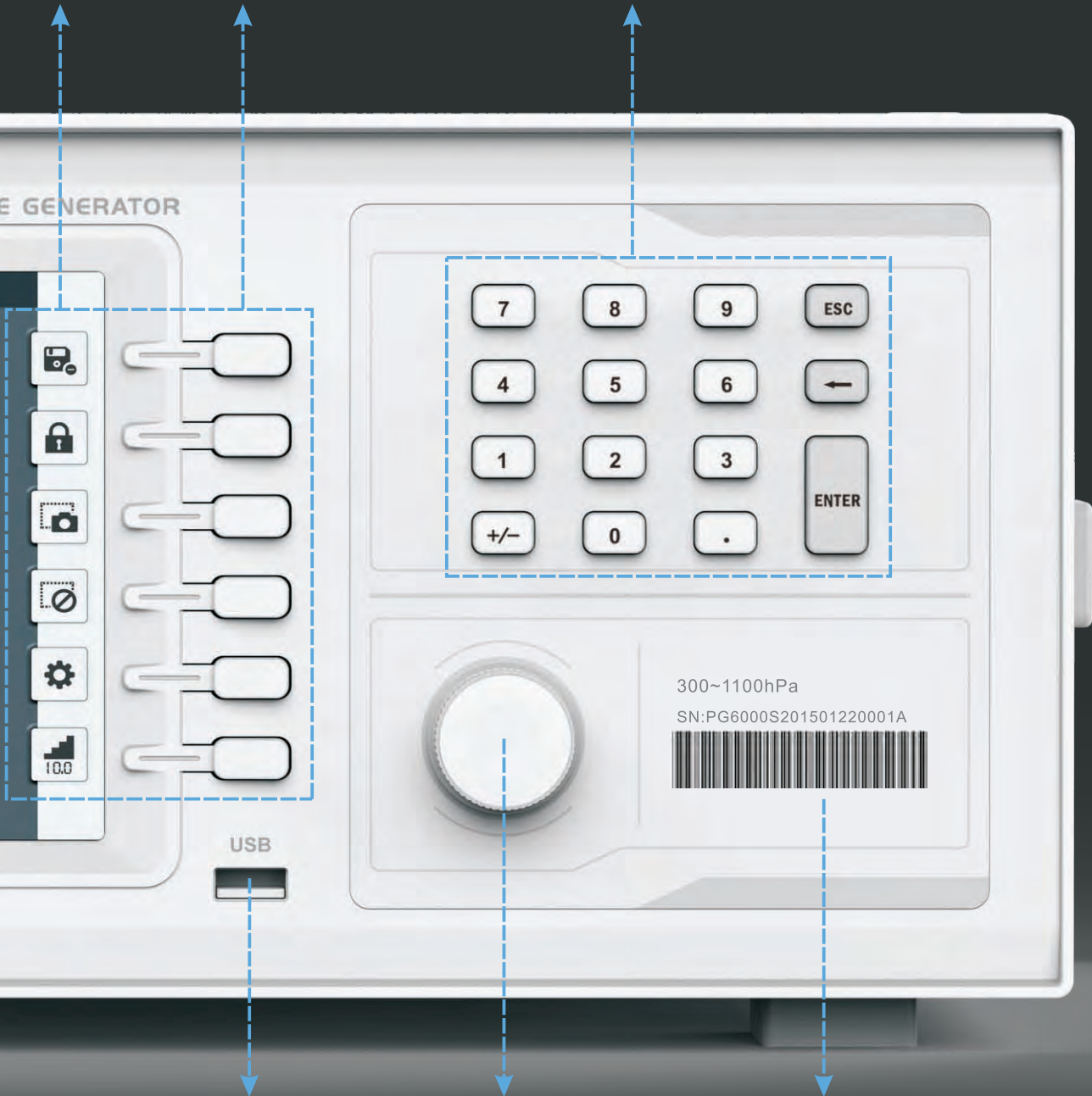
Power key
Power on/off

Shortcut key area

Storage, hold, screenshots, screen lock, system setting, step pitch adjusting, etc.

Numeric key area

Value setting, clear, back, confirmatory, etc.



Front USB port

Connect with USB flash disk for data input and output

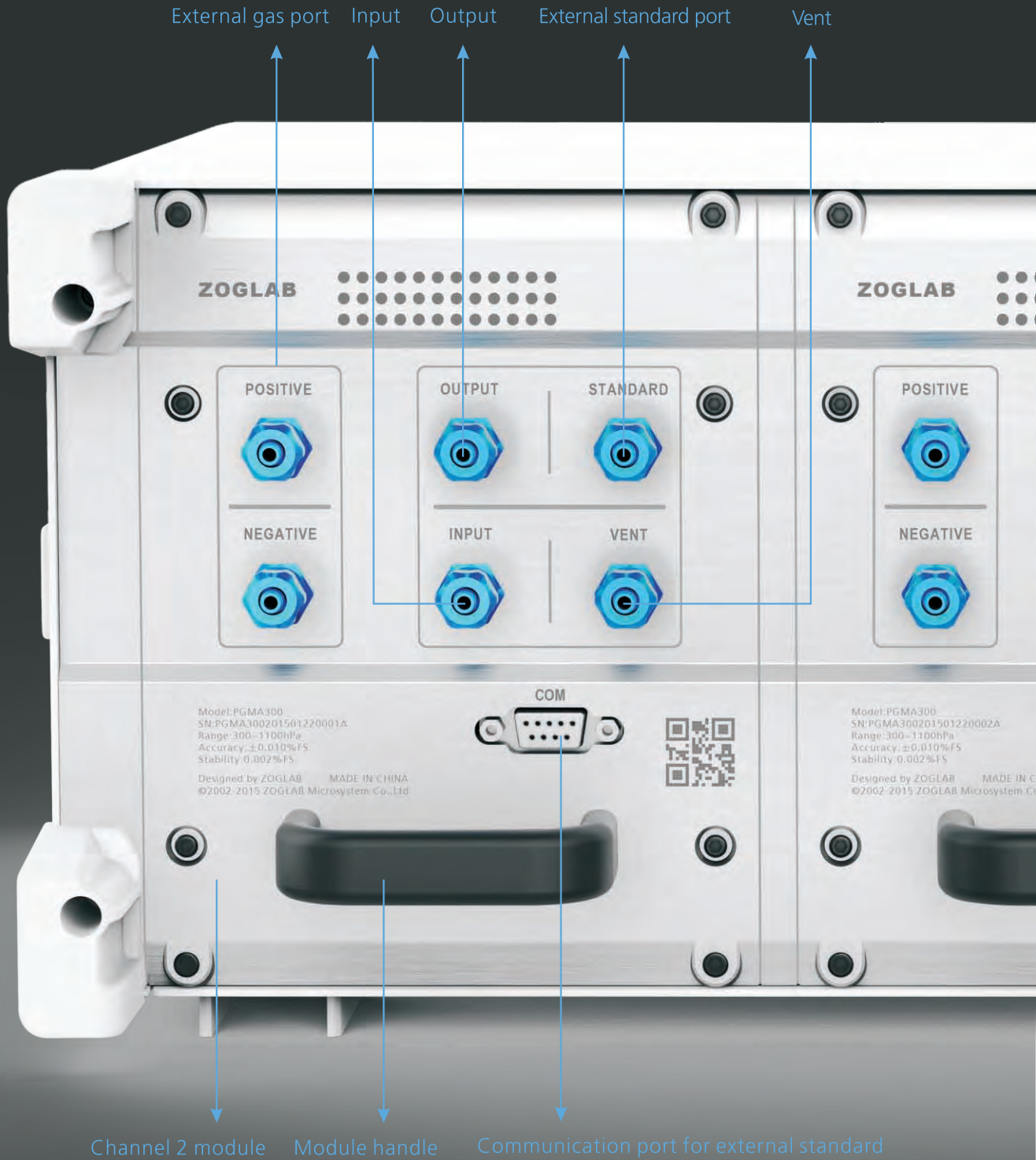
Multi-functional rotary knob

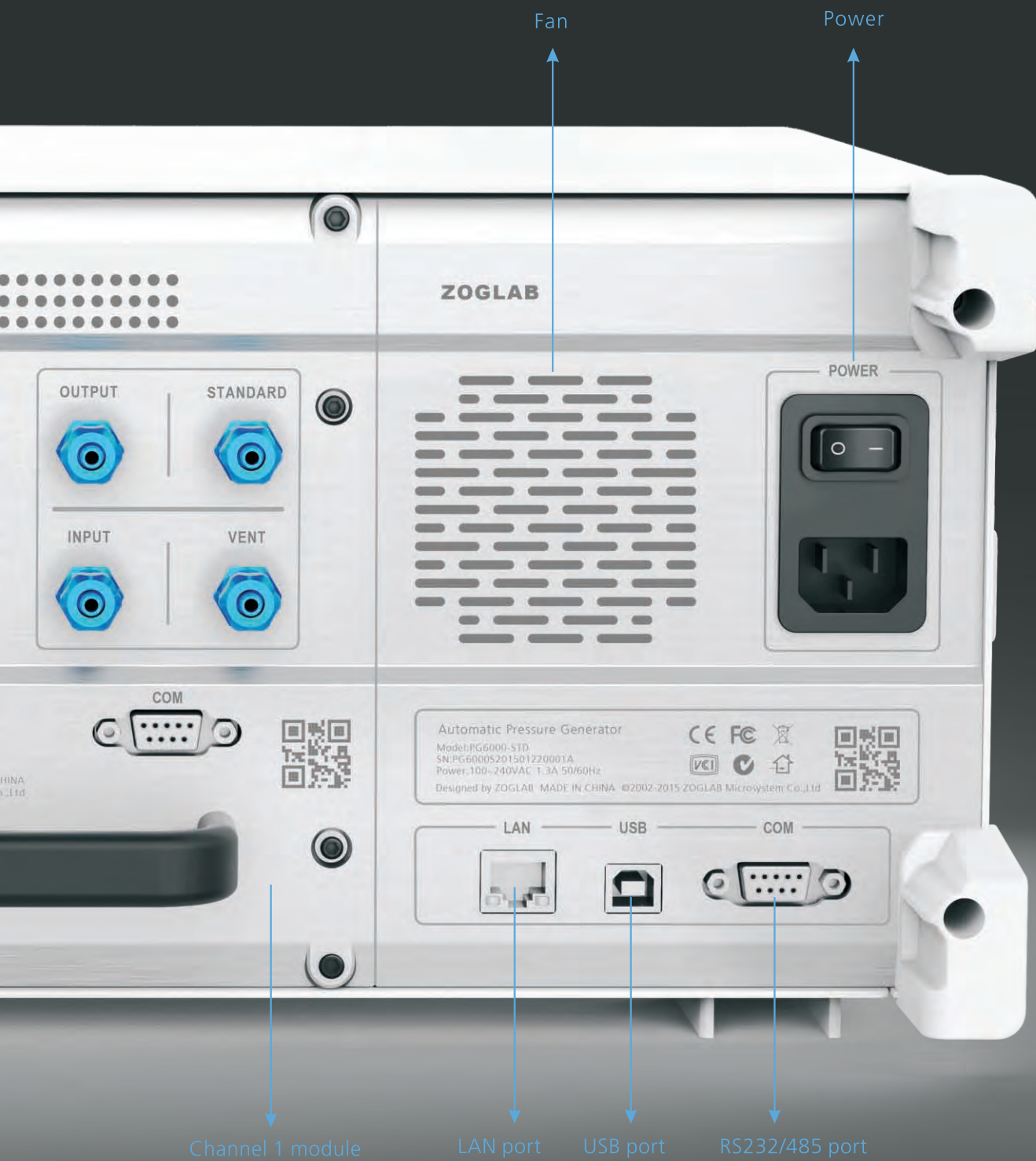
Quick increase or decrease for value setting

Model indicating area

Indicate product information for different models

PG6000 • Host Machine





ZOGLAB

Fan

Power

OUTPUT

STANDARD

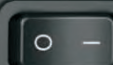


INPUT

VENT



POWER



COM



Automatic Pressure Generator

Model: PG6000-STD

SN: PG6000S201501220001A

Power: 100~240VAC T: 3A 50/60Hz

Designed by ZOGLAB MADE IN CHINA ©2002-2015 ZOGLAB Microsystem Co., Ltd



LAN

USB

COM



Channel 1 module

LAN port

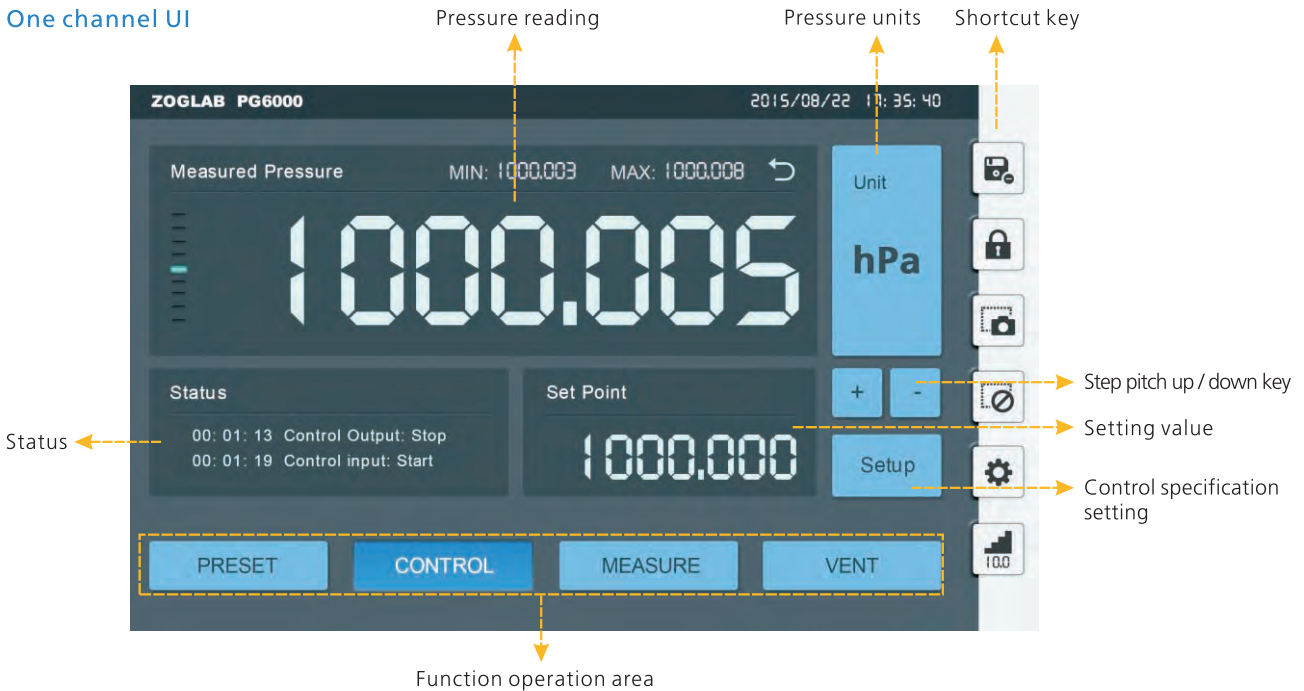
USB port

RS232/485 port

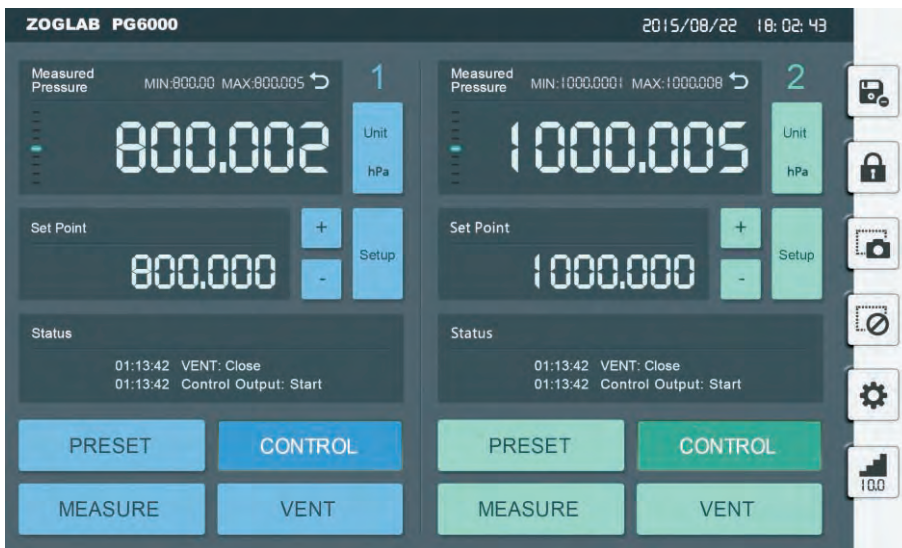
Superior UI Design

UI of PG6000 is simple and easy. There exists operation for basic functions, such as pressure control output, measuring and programming by pressing the key. Quick switch for pressure units as requested, setting up the specifications for pressure control output. On the right side of UI, there are shortcut keys for storage management, hold reading, screen shot, screen lock, system setting, step pitch adjusting, etc.

One channel UI

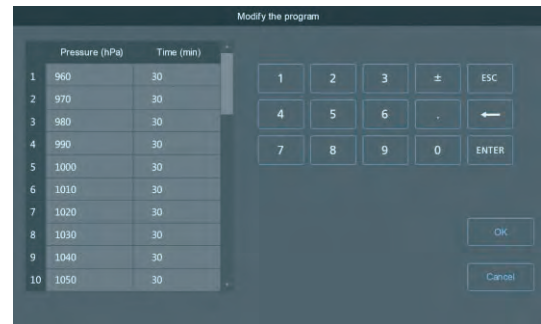


Double channels UI



Programmable Pressure Generation

PG6000 can conduct programmable pressure generation according to calibration requirement, setting calibration point and the sustainable time after reaching the stable point.



Single

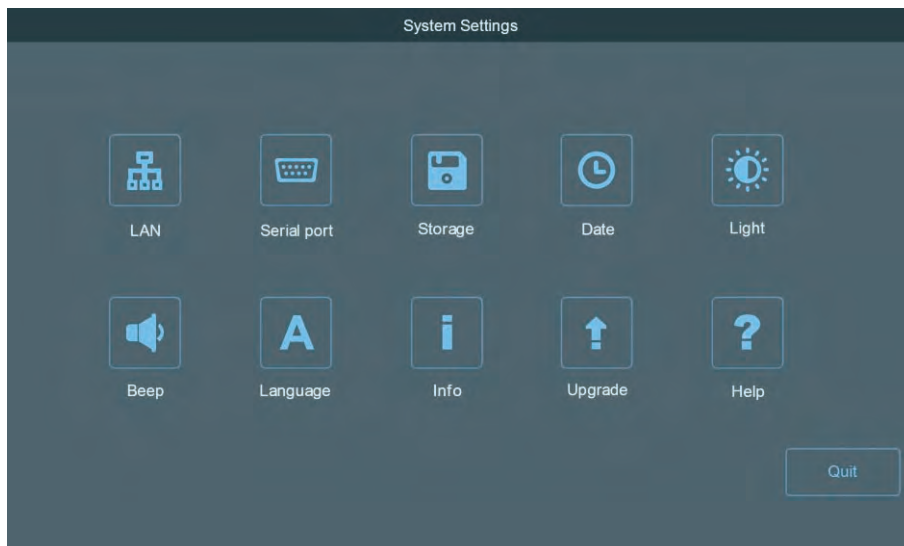


Circulation



System Setting

Conducting system setting, such as LAN, Date and Light, etc. by pressing shortcut key.

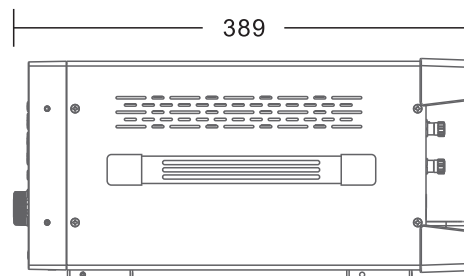
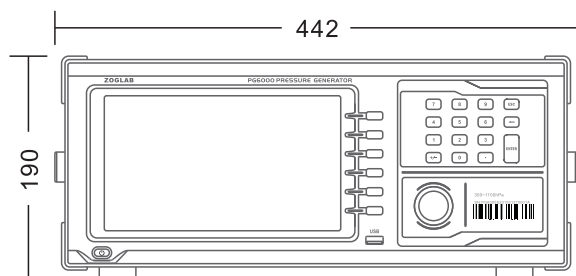


PG6000 • Technical Specification

Technical Specification	
Pressure control range	300~1100hPa
Pressure control accuracy	±0.010%FS
Pressure control resolution	0.001hPa
Control stability	0.002%FS
Control speed	5~100hPa/min adjustable(load 1L)
Pressure measuring range	100~1100hPa
Pressure accuracy	±0.010%FS(optimal±0.008%FS)
Pressure resolution	0.001hPa
Standard pressure regulator	Internal or external regulator
Calibration cycle	365 days
Display area	9 inch, 800x480 TFT LCD display
Touch panel	Capacitive touch screen
Backlight	LED backlight , adjustable brightness
Interface	RS232/485, USB, LAN, Wi-Fi*
Pressure interface	Φ4 quick coupling
Power supply	100~240VAC 1.3A,50/60Hz
External standard interface	RS232
Working temperature	10°C~40°C
Working humidity	10%~95%RH(no condensation)
Working pressure	100~1100hPa
Storage temperature	-20°C~70°C
Preheating time	< 5 min
Logging interval	1 second ~ 24 hours
Data recording time	According to the internal storage capacity
EMC	EN 50081-1 Class B EN 50082-1 Class B
ESD Protection	±25KV
Weight	16.5kg
Dimensions	442×389×190mm(4U standard 19 inch rack)
Certificates	CE, FCC, VCCI, C-TICK

*optional function

Dimensions(mm)



PG6000 • Accessories

Standard Accessories

Serial communication cable



Power cable



USB communication cable



LAN communication cable



2m silicone tube x 2



Φ4 quick coupling



M4 inner hexangular



Calibration Certificate



User's manual



Warranty card



Qualification



Maintenance manual



WEEE card



CD



Optional Accessories

Ten ventilation fastenings



Anti-explosion transport case



Ordering Information

Ordering model		Features
Single channel	Double channels	
PG6000-PRO+	PG6000-PRO+ X2	Built-in quartz standard, accuracy±0.010%FS (optimal±0.008%FS) enhanced
PG6000-PRO	PG6000-PRO X2	Built-in quartz standard, accuracy±0.010%FS (optimal±0.008%FS)
PG6000-STD	PG6000-STD X2	Built-in silicon piezoresistive standard, accuracy±0.010%FS
PG6000-ORG	PG6000-ORG X2	No built-in standard (external one needed)

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