

ZOGLAB

PG600

Mobile Pressure Generator

- 100 ~ 1100hPa fully automatically programmable pressure generation
- $\pm 0.010\%$ FS control accuracy; 0.002% FS control stability
- Optional built-in or external standard
- 7 inch TFT touch screen for better user experience



PG600



PG600

PG600

MOBILE PRESSURE GENERATOR

PG600 mobile fully automatic pressure generator is an ideal choice for automatic pressure calibration. It can generate and reach any pressure between 100hPa and 1100hPa with built-in high accuracy pumping source and the pressure control resolution could reach 0.001hPa. PG600 could simultaneously measure voltage, current, etc., and support several communication interfaces and built-in & external pressure standards are available.

PG600 mobile fully automatic pressure generator is designed with 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.

- 100~1100hPa generation range
- $\pm 0.010\%$ FS control accuracy; 0.002%FS control stability
- Optional built-in or external standard
- 7 inch TFT touch screen for better user experience
- Support RS232/485,USB,HART,Wi-Fi,BT Interface
- Support USB flash disk
- Support multi-language



PG600 • Host Machine





Carriage bag 2
Test and communication cable

Carriage bag 3
Adaptor

Power key

UI

Vent

Handle

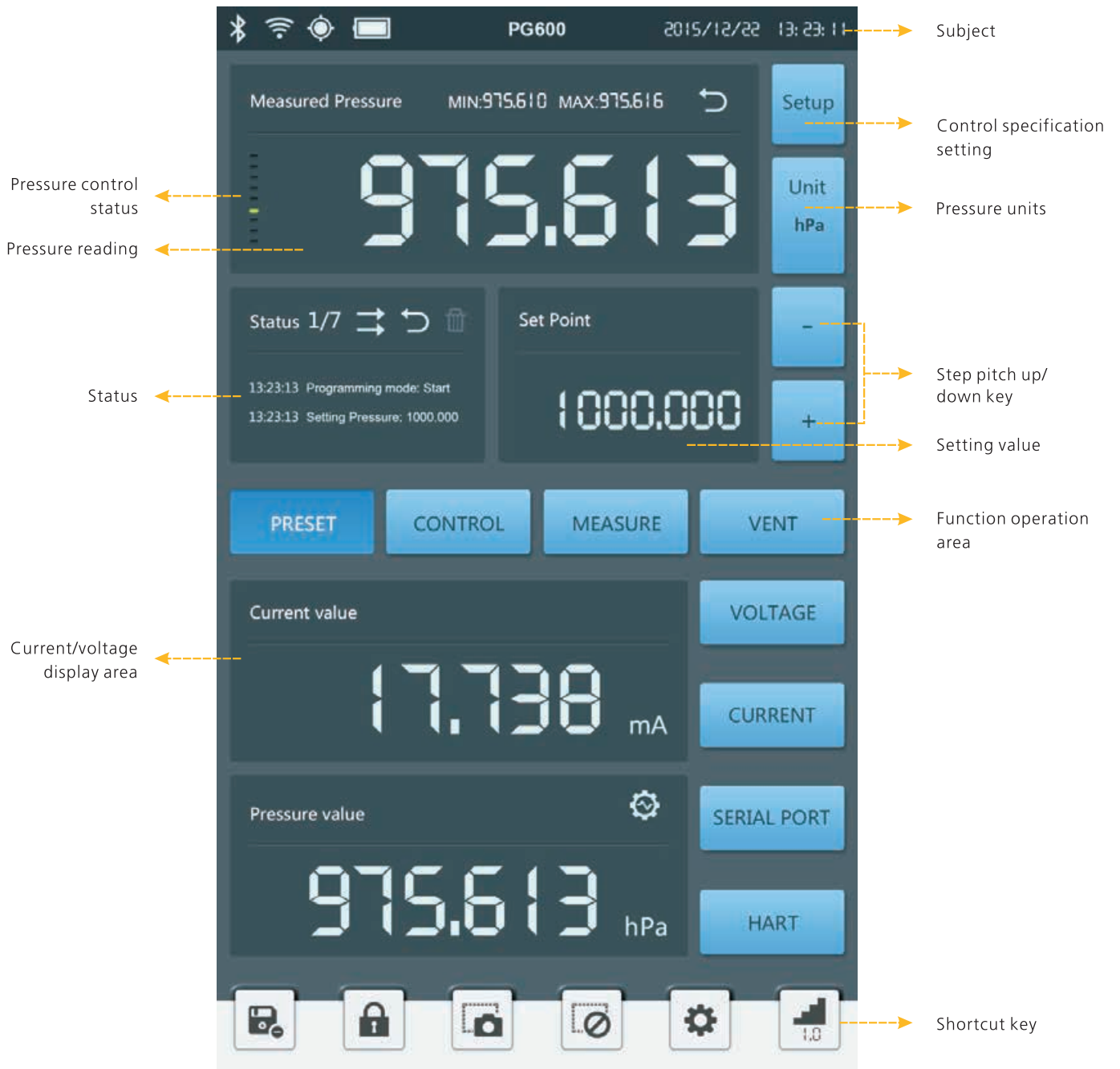
Seal buckle

*PG610 additional function

PG600 • Human-machine Interactive Interface

Superior UI Design

UI for PG600 is simple and easy, and quick query for basic function, 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. Bottom half of UI is the area for electric measuring value display and could support various parameters display switch. On the bottom of the UI, there are shortcut keys for storage management, hold reading, screen shot, screen lock, system setting, step pitch adjusting, etc.



Programmable Pressure Generation

PG600 can conduct programmable pressure generation according to calibration requirement, setting calibration point and the sustainable time after reaching the stable point.

Program manager

Program Name	Control Points	Total duration (seconds)	Change the time
DSA-THP	7	420	2015/07/29 11:49:03
DST1100	6	75	2015/07/29 11:49:15
PROGRAM_1	7	420	2015/07/29 11:54:41
PROGRAM_2	12	650	2015/08/12 13:20:36
PROGRAM_3	50	320	2015/08/12 14:50:36
PROGRAM_4	16	85	2015/08/13 13:30:39
PROGRAM_5	11	64	2015/08/14 14:50:50
PROGRAM_6	50	20	2015/08/14 16:54:20
PROGRAM_7	20	30	2015/08/15 09:57:24
PROGRAM_8	11	88	2015/08/15 13:37:20
PROGRAM_9	23	100	2015/08/16 10:20:58
PROGRAM_10	15	120	2015/08/16 12:59:46
PROGRAM_11	16	130	2015/08/16 13:52:33
PROGRAM_12	18	80	2015/08/16 15:30:36

New Delete Alter Run Quit

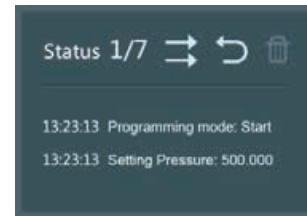
Modify the program

	Pressure (hPa)	Time (min)
1	960	30
2	970	30
3	980	30
4	990	30
5	1000	30
6	1010	30
7	1020	30
8	1030	30
9	1040	30
10	1050	30
11	1060	30
12	1070	30

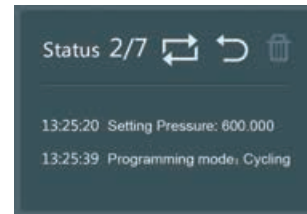
1 2 3 ± ESC
4 5 6 . ←
7 8 9 0 ENTER

OK Cancel

Single

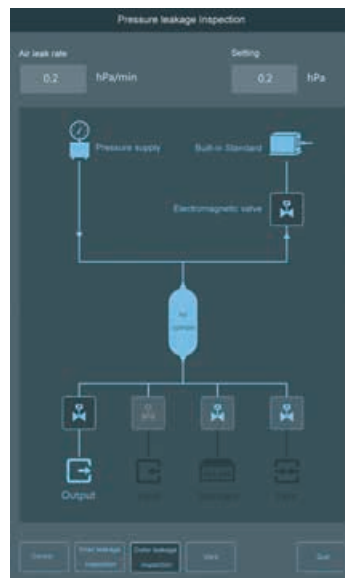
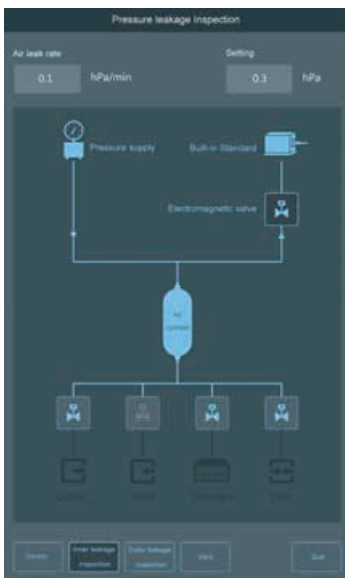


Cycling



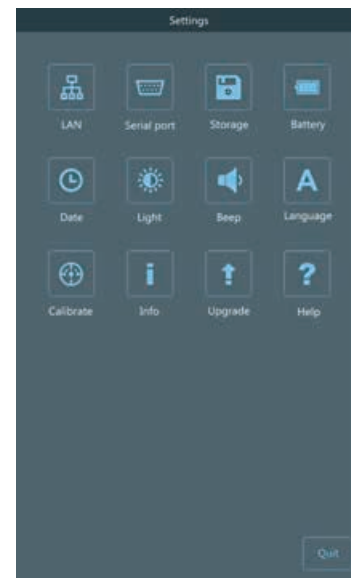
Leakage Inspection Configuration

Conduct inner/outer leakage inspection for pressure connection channels when enter into leakage inspection configuration interface.



System Setting

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



PG600 • Functions & Features



Control

- Pressure control range 100~1100hPa
- Pressure control accuracy $\pm 0.010\%FS$
- Pressure control stability 0.002%FS



Measurement

- Pressure measuring range 100~1100hPa
- Voltage measuring range 0~10V
- Current measuring range 0~20mA



Calibration

- Support online calibration
- In compliance with JJG1107-2015 "verification regulation for automatic standard pressure generator"



Display

- 7 inch TFT LCD display
- Capacitive touch screen operation



Standard

- Optional built-in or external pressure standard



Leakage Inspection

- Support inspection for leakage of pressure connection channels



Communication

- Support RS232/485, USB, HART, Wi-Fi, BT communication interface
- Support remote control and group networking application
- Support embedded Web operation



Power Supply

- 100~240 VAC universal input
- Built-in lithium polymer battery for 8 hrs of continuous work

PG600 • Technical Specification

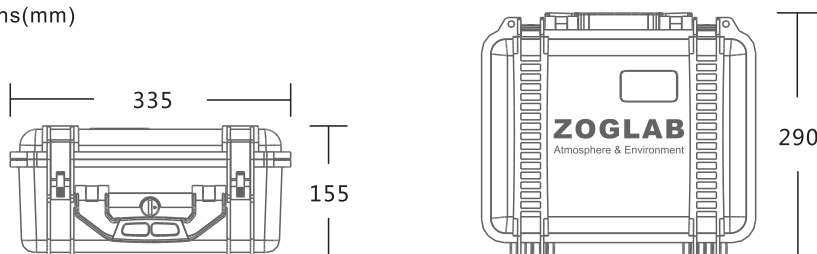
Pressure control specification	
Pressure control range	100~1100hPa
Pressure control accuracy	±0.010%FS
Pressure control resolution	0.001hPa
Pressure control stability	0.002%FS
Pressure control speed	5~100hPa/min adjustable(load 1L)

Electrical measuring specification (LTD not include this function)	
Voltage measuring range	0~10V
Voltage measuring resolution	0.1mV
Voltage measuring accuracy	±1mV
Current measuring range	0~20mA
Current measuring resolution	1μA
Current measuring accuracy	±5μA

General specification	
Display	7 inch,480×800 TFT LCD display
Touch screen	Capacitive touch screen
Backlight	LED backlight,adjustable brightness
Communication interface	RS232/485,USB,HART,Wi-Fi*,BT*
Pressure interface	Φ5 interface absolute pressure×1,differential pressure×2*
Power supply	100~240VAC 1.3A , 50/60Hz
Battery	Lithium polymer battery 14.8V/8000mAh
Battery life	Continuous work for 8 hrs / standby for 90 days
Working temperature	10~40°C
Working humidity	10%~95%RH(Non condensing)
Working pressure	100~1100hPa
Storage temperature	-20~70°C
Preheating time	<5mins
Logging interval*	1 second~24 hours
Data logging time*	Accord to the internal storage capacity
EMC	EN 50081-1 Class B EN 50082-1 Class B
ESD Protection	±25KV
IP Class	IP67(When case lid is closed)
Weight	8kg
Dimensions	335×290×155mm
Certificates	CE , FCC , VCCI , C-TICK

* Operational functions as requested

Dimensions(mm)



PG600 • Accessories

Standard Accessories

USB communication cable



Power adaptor



Silicone tube



Test cable



Calibration Certificate



User's manual



Warranty card



Qualification



Maintenance manual



WEEE card



CD



Optional Accessories

Pressure connection tee-junction



Serial communication cable



Ordering Information

Ordering model	Features
PG600-STD	Absolute pressure 100~1100hPa , pressure control accuracy $\pm 0.010\%$ FS , pressure control stability 0.002% FS
PG600-LTD	Absolute pressure 300~1100hPa , pressure control accuracy $\pm 0.010\%$ FS , pressure control stability 0.002% FS
PG610-STD	Micro differential pressure 0~5000Pa

International Free Call

+86-400-8878-571



Website



Weibo



WeChat



Youku



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LinkedIn



Google+

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