

Main Specifications

▼ **Size**
296 x 186 x 180 mm

▼ **Pressure connection**
1/4" NPT female
1/4" BSP female
Material: Stainless steel

▼ **Electrical connector**
0.156" (4mm) banana socket

▼ **Pressure type**
Gauge pressure

▼ **Pressure range**
Automatically generate pressure range
-0.9...0 to 25bar
Pressure module 1:
-0.9...0 to 2.5bar
Pressure module 2:
0 to 25bar

▼ **Operating pressure**
0 to 50°C

▼ **Storage temperature**
-20 to 60°C

▼ **Storage humidity**
< 90%R.H. (non-condensing)

▼ **Accessories**
External pressure manifold x1
110V/220V External power adapter x1
Rechargeable lithium battery x1
Test leads for calibrator 2 sets
Short circuit cable 1 set
Carrying case x1
O-ring x20
Manual x1
3mm Allen wrench x1
Hose x1
Test report x1
Warranty sheet x1

Other Specifications

▼ **Accuracy**
0.02%

▼ **Screen display**
7" Color LCD screen (800 x 480mm)

▼ **Display frequency**
5 times/sec
Resolution: 4 / 5 / 6-digit display

▼ **Pressure unit**
Pa, kPa, MPa, psi, bar, mbar, inH₂O, mmH₂O, inHg, mmHg, kgf/cm²

▼ **Power supply**
Built-in rechargeable lithium battery:
25.2V, full battery working time: 8 hours
Recharge time: 3 hours
Power adapter supply: AC110V/220V to DC 27V

▼ **Communication**
RS232
Baud rate: 2400, 4800, 9600, 19200, 38400, 87600, 115200
HART communication

▼ **Storage function**
Internal memory stores 200 tasks
Download tasks and upload results

▼ **Temperature compensated**
-10 to 50°C

▼ **Control stability**
< 0.005%F.S.

▼ **Pump life**
> 100,000 cycles

▼ **Weight**
About 5.6kg

Automatic Pressure Calibrator Model: APC-761 Introduction

Functions of APC-761 automatic pressure calibrator has cover measuring and generating pressure automatically and supporting instruments with HART. It adopts full intelligent control, generally use for pressure gauge and micro differential pressure gauge. Special design for portable, pipeline protection, and instrument connection part to enhance safety and efficiency, especially for calibration of digital instruments such as pressure transmitter and switch. It is also suitable for blood pressure gauge and barometer.



Features

- Dual pressure display meter
- Accuracy: 0.02% F.S.
- Portable design, weighs only 5.6kg
- Multiple task management function – Supports instrument information management, automatic calibration process, automatic data analysis, quick saving of verification results, downloadable tasks, uploading data, and auto step
- Easy to use – User friendly interface, graphic management menu, graphical interface, automatic leak detection
- Multi-protection – Up to 30V misuse protection on any two sockets
- Built-in filter and liquid trap with venting system prevents contamination of the calibrator
- Pipeline protection – Special design can protect the body from obstructions and air leakage
- RS232 connector can be connected with computer
- External pressure generator available
- Full range temperature automatic compensation, built-in automatic pressure generator.
- Recharge lithium battery included

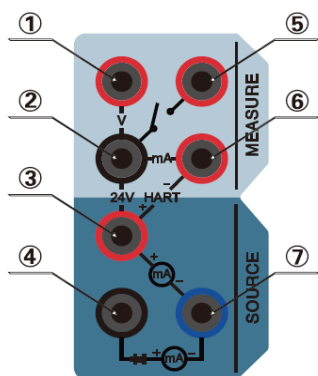
Electrical indicators

	Range	Resolution	Accuracy
Voltage measurement	-30~30V	0.1mV	±0.01%RD+1.5mV
Current measurement	-30~30mA	0.1 μA	±0.01%RD+1.5 μA
Current source	0~22mA	0.1 μA	±0.02%RD+1.5 μA
On-off testing	Voltage range: 3~24V (When the switch is charging)		
24V output	24±0.5V Max. load capacity: 50mA		

Product appearance



Jack interface



Jack number	Function
6+2	Current measurement
1+2	Voltage measurement
5+2	Switch test
3+6	HART communication
7+4	Current output (external power)
3+7	Current output (internal power)
3+2	24V loop power supply

External signal interface



Interface	Function
External pressure generator	Current measurement
RS232	Communication with PC
DC 27V input	Power supply / power charging



Interface	Function
VENT	Exhaust vent
OUTLET	Pressure generator connection pipe