

# PR810 Pressure Calibrator



## I. Product Features

1. Touch-controlled color LCD screen;
2. Built-in DC24V power supply, capable of calibrating pressure transmitters;
3. Data storage and export;
4. 6-digit display;
5. Graphical pressure percentage display;
6. Automatic over-pressure alarm;
7. Equipped with current and voltage measurement;
8. Equipped with switch quantity measurement;
9. Simulated 4~20mA output;
10. Capable of calibrating HART intelligent pressure transmitters;
11. Bluetooth communication

## II. Technical Parameters

### ■ Pressure Units

mmH<sub>2</sub>O, inH<sub>2</sub>O, mmHg, inHg, psi, kPa, MPa, Pa, mbar, bar, kgf/cm<sup>2</sup>;

### ■ Zeroing Range

Pressure zeroing range:  $\pm 1\%$  F.S; Electrical measurement zeroing range:  $\pm 0.2\%$  F.S;

### ■ Storage Function

Storage mode: Manually storage mode and automatic storage mode;

Storage capacity: 20 files in total, sharing 130,000 records;

Storage export: USB drive, Excel format;

PANRAN instruments are available in South Africa from Intercal (Pty) Ltd

**■ Display Digits**

Pressure: 6-digit display, switchable to 4 or 5 digits;  
 Electrical measurement: 6-digit display, switchable to 5 digits;

**■ Pressure Statistics**

Automatically records the maximum value, minimum value, fluctuation, and average value during pressure measurement;

**■ Additional Functions**

Real-time clock, temperature measurement, countdown leak detection measurement, DC24V timed output, low voltage alarm.

**■ Electrical Measurement Indicators**

Item	Range	Resolution	Accuracy
Current Measurement	(0~30)mA	0.1μA	±(0.01%R.D+1.5μA)
Voltage Measurement	(0~30)V	0.1mV	±(0.01%R.D+1.5mV)
Current Output	(4~20)mA	/	±(0.02%R.D+1.5μA)
Voltage Output	DC24V(≤30mA)	/	±0.5V
Switch Quantity	Data capture for on/off status, with 5 groups in total for cyclic capture. Supports mechanical, NPN, and PNP type switches.		

**■ Basic Parameters**

Item	Parameters
External Dimensions	255mm×190mm×58mm
Weight	1.15kg
Pressure Connection	Bluetooth 5.2(PR9110)
Electrical Interface	Φ4mm banana plug
Power Supply Mode	Rechargeable lithium battery
Battery Operating Time	Approximately 8 hours
Battery Charging	8.4V, approximately 3 hours
Operating Ambient Temperature	(-20~50)°C
Operating Relative Humidity	<95%
Storage Temperature	(-30~80)°C

- 1.Pressure display requires connection to PR9110 Intelligent Digital Pressure Module.
- 2.For pressure range selection, please refer to the "PR9112 Intelligent Pressure Calibrator" pressure range selection table.