

Model SBP

Ultra Precision Portable Digital Pressure Gauge

Description

SBP Portable Digital Pressure Gauge, with advanced microprocessor technology and state-of-the-art pressure sensors, provide an accurate, reliable and economic solution for a wide range of pressure applications. This model combines precision and functionality in a compact, robust and simple-to-use package.

Features

- ▶ Unique and easy user interface
- ▶ Die casting body
- ▶ Measuring range 0~150MPa
- ▶ $\pm 0.025\%$ FS Accuracy, -10 to 50°C
- ▶ Large, easy to read display with 5 digits resolution
- ▶ 10 selectable pressure units
- ▶ RS232C communication, Analog Output
- ▶ Pressure Switch Test, Peak, Min./Max., Alarm functions

Applications

- ▶ Portable Field Calibration & Calibration Labs.
- ▶ Process monitoring & Control
- ▶ Over pressure Test & Explosion pressure Test
- ▶ Pressure Safety Valve(PSV) Test
- ▶ Valve & Regulator Test
- ▶ Chart Recorder Replacement
- ▶ Leak Test



Specifications

Range

0~15, 35, 100, 350, 700kPa, 2, 3.5, 7, 20, 35, 60, 70, 100, 150MPa(Gauge) (15, 35kPa Only Air)
-100kPa~100, 200, 350, 700kPa, 2, 3.5MPa(Gauge)
0~100, 200, 350, 700kPa, 2, 3.5, 7, 20, 35, 70MPa(Absolute)

Performance

Accuracy Gauge : $\pm 0.025\%$ FS ± 1 digit / Gauge(Compound), Absolute : $\pm 0.05\%$ FS ± 1 digit
(Include Linearity, Hysteresis, Repeatability, Thermal Error)
Compensated Temperature Range -10~50°C
Operating Temperature Range -20~80°C

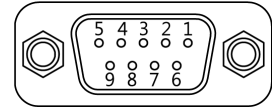
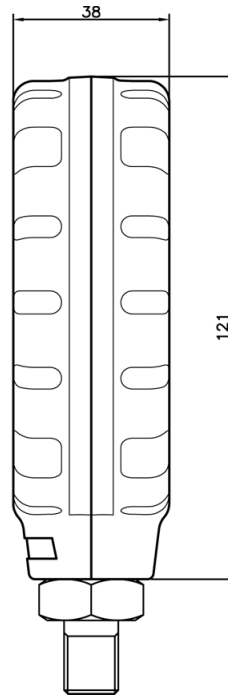
Electrical

Display ± 99999 Backlight LCD
Excitation AA Size Alkaline Battery $\times 3$ / External Power : 12~32VDC
Output Analog 0~5VDC, 1~5VDC, 4~20mA(Only External Excitation / Accuracy $\pm 0.1\%$ FS)
Digital RS232
Display Time 2 time/sec (on Peak function, 10 time/sec)
Function Peak, Switch Hold, Alarm, Data logging, Auto power off, Zero./Span Calibration, Auto Zero, Overpressure Alarm

Physical

Proof Pressure X1.5 or 150MPa, Whichever is less.
Burst Pressure X2 or 150MPa, Whichever is less.
Vibration 49.1m/s²{5G}, 10~500Hz
Shock 490m/s²{50G}
Pressure Port G(PF)1/4", NPT1/4"
Media-Wetted Materials SS316L, VITON or SS316L, Ti 87%
Weight Approx. 530g

Dimension



Connector

Pin No.	Wire Color	Connections
1	Black	GND
2	Brown	RS232 Rx
3	Red	RS232 Tx
4	Yellow	Analog Out+
5	Green	GND
6	Blue	Switch Hold
7	Purple	Alarm Out+
8	Gray	Power +
9	White	Power -

Option(Accessory)



External power adapter



RS232 & External power adapter



Cable for multi-function

Ordering Information

<p>Model Name</p> <p>Analog Output C : 0~5V E : 1~5V G : 4~20mA</p> <p>Pressure Range XXXX : Pressure CXXX : Compound Pressure</p>	<p>SBP C 0100 R D G</p>	<p>Type of Pressure Measurement G : Gauge J : Absolute</p> <p>Pressure port D : G(PF)1/4" L : NPT1/4"</p> <p>Pressure Unit R : kPa M : MPa</p>
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