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 0~500MPa
▶ ±0.025%FS Accuracy , -10 to 50℃
▶ Large, easy to read display with 5 digits resolution
▶ 10 selectable pressure units
▶ RS232C communication, Analog Output
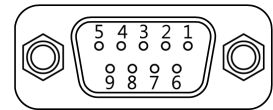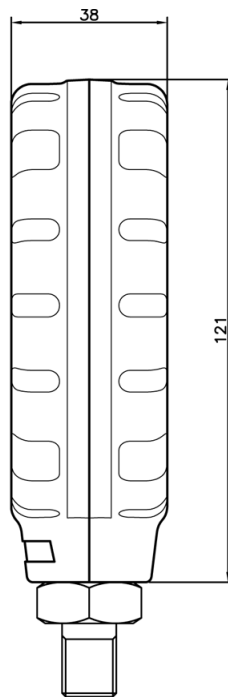▶ Pressure Switch Test, Peak, Min./Max. , Alarm functions

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

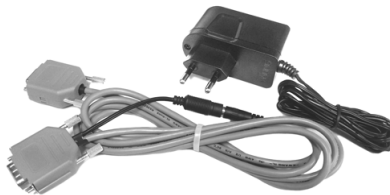|	
Range	0~15, 35, 100, 200, 350, 700kPa, 2, 3.5, 7, 10, 20, 25, 35, 40, 60, 70, 100, 150, 250, 400, 500MPa(Gauge) (15, 35kPa Only Air) ±15, ±35kPa (Only Air) / -100kPa~100, 200, 350, 700kPa, 2, 3.5MPa(Gauge) 0~100, 200, 350, 700kPa, 2, 3.5, 7, 20, 35, 70MPa(Absolute)
Accuracy	Gauge : ±0.025%FS ± 1digit / Gauge(Compound), Absolute : ±0.05%FS ± 1digit (Include Linearity, Hysteresis, Repeatability, Thermal Error)
Compensated Temperature Range	-10~50℃
Operating Temperature Range	-20~70℃
Display	±99999 Backlight LCD
Excitation	AA Size Alkaline Battery × 3 / External Power : 12~32VDC
Analog Output	0~5VDC, 1~5VDC, 4~20mA(Only External Excitation / Accuracy ±0.1%FS)
Digital Output	RS232
Display Time	4~50 time/sec
Data logging	Save at intervals of 1, 3, 5, 30, 60 seconds (up to 3,000 saved)
Function	Peak, Switch Hold, Alarm, Data logging, Auto power off, Zero./Span Calibration, Auto Zero, Overpressure Alarm
Proof Pressure	X1.5 or 150MPa, Whichever is less.
Burst Pressure	X2 or 150MPa, Whichever is less.
Pressure Port	R(PT)1/4″, G(PF)1/4″, NPT1/4″, 9/16-18 UNF(F) (Only >150MPa)
Media-Wetted Materials	SS316L, VITON or SS316L, Ti 87%
Weight	Approx. 530g

Sensys

Dimension

Ø110   38   121

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 -

Oprion(Accessory)

External power adapter

RS232 & External power adapter

Cable for multi-function

Ordering Information

SBP C 0100 R D G

Model Name

Analog Output
A : None   C : 0~5V
E : 1~5V   G : 4~20mA

Pressure Range
XXXX : Pressure
CXXX : Compound Pressure

Type of Pressure Measurement
G : Gauge   J : Absolute

Pressure port
C : R(PT)1/4″   D : G(PF)1/4″
L : NPT1/4″
K : 9/16-18 UNF(F) (Only >150MPa)

Pressure Unit
R : kPa   M : MPa

. Specifications are subject to change without notice.