

Model SBU

High Precision Portable Digital Pressure Gauge

Description

SBU 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

- ▶ Die casting body
- ▶ Measuring range 0~70MPa
- ▶ $\pm 0.1\%$ FS Accuracy , -10 to 50°C
- ▶ Large, easy to read display & Back Light Unit
- ▶ 10 selectable pressure units (MPa, mbar, bar, inH₂O, inHg, mmHg, kgf/cm², atm, psi, kPa)
- ▶ Peak, Alarm, Auto power off, Zero/Span Calibration, Auto Zero
- ▶ Option : RS232C communication, 1~5VDC Analog Output, Datalogging

Applications

- ▶ Portable Field Calibration & Calibration Labs.
- ▶ Process monitoring & Control
- ▶ Valve & Regulator Test
- ▶ Chart Recorder Replacement
- ▶ Leak Test



Specifications

Range

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

Performance

Accuracy $\pm 0.1\%$ FS ± 1 digit
(Include Linearity, Hysteresis, Repeatability, Thermal Error)
Compensated Temperature Range -10~50°C
Operating Temperature Range -20~70°C

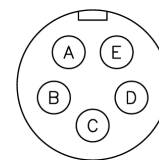
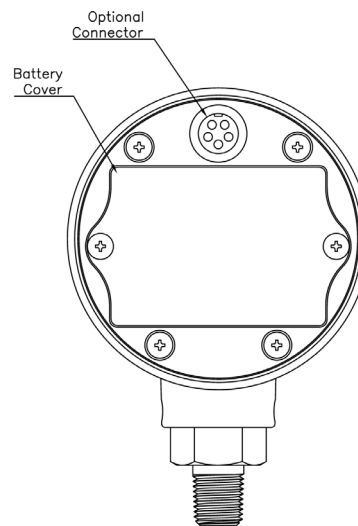
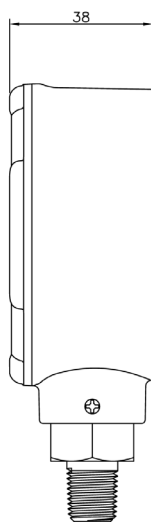
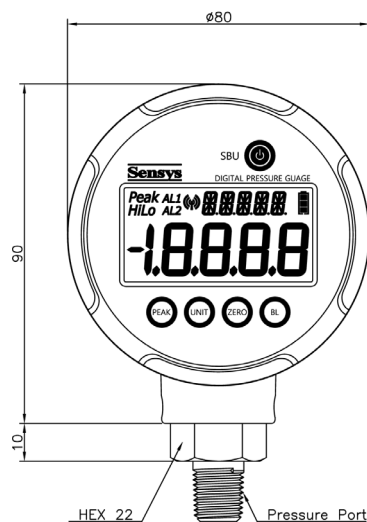
Electrical

Display	± 19999 Backlight LCD
Excitation	1.5V(AAA Size) Alkaline Battery $\times 3$ / External Power : 12~28VDC
Output	Analog Option : 1~5VDC (Only External Power) Digital Option : RS232 (Only External Power)
Display Time	1, 2, 5, 7, 10 time/sec (on Peak function, 10 time/sec)
Function	Peak, Alarm, Auto Power Off, Zero/Span Calibration, Auto Zero / Data Logging(Only RS232)

Physical

Proof Pressure	X1.5
Burst Pressure	X2
Vibration	49.1m/s ² {5G}, 10~500Hz
Shock	490m/s ² {50G}
Pressure Port	G(PF)1/4", NPT1/4"
Media-Wetted Materials	SS316L
Protection	IP65
Weight	Approx. 350g

Dimension



Connector
(1~5V, RS232 Output Only)

Pin No.	Wire Color	Connections
A	Red	Ext. Power+ (12~28VDC)
B	Shield	COM
C	White	RS232 Rx
D	Black	RS232 Tx
E	Green	Analog Out+

Ordering Information

Model Name		SBU A 0100 R D G		Type of Pressure Measurement
Output				G : Gauge J : Absolute
A : None B : 1~5VDC C : 1~5VDC & RS232				Pressure port
				D : G(PF)1/4" L : NPT1/4"
Pressure Range				Pressure Unit
XXXX : Pressure CXXX : Compound Pressure				R : kPa M : MPa