

Model SBH

Precision Portable Digital Pressure Gauge

Description

The SBH is a portable digital pressure gauge featuring accuracy 0.25%FS, multiple measurement units, Min./Max. readings, auto zero and automatic power off to conserve battery(AAA size) power. Also, a backlight provides improved visibility under poor lighting conditions. The SBH will operate with any liquid and gas that is compatible with 316L stainless steel. With Aluminum Die casting housing and Protection Rate IP65 are ideal in poor surroundings.

Features

- ▶ CE Certified
- ▶ Die casting housing
- ▶ Measuring range 0~500MPa
- ▶ $\pm 0.25\%FS$, $\pm 0.5\%FS$ Accuracy, -10 to $50^{\circ}C$
- ▶ Large, easy to read display & Backlight Unit
- ▶ 10 selectable pressure units (MPa, mbar, bar, mmH₂O, inHg, mmHg, kgf/cm², atm, psi, kPa)
- ▶ Peak, Auto power off, Auto Zero

Applications

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



Specifications

Range

0~35kPa ... 70MPa(Gauge)	0~71 ... 500MPa(Gauge)
-100kPa~0 ... 3.5MPa(Gauge)	
0~35kPa ... 70MPa(Absolute)	

Performance

Accuracy	$\pm 0.25\%FS \pm 1\text{digit}$	$\pm 0.5\%FS \pm 1\text{digit}$
Thermal Effect on Zero	$\pm 0.03\%FS / ^{\circ}C$	$\pm 0.05\%FS / ^{\circ}C$
Thermal Effect on Span	$\pm 0.03\%FS / ^{\circ}C$	$\pm 0.05\%FS / ^{\circ}C$
Compensated Temperature Range	$-10 \sim 50^{\circ}C$	
Operating Temperature Range	$-20 \sim 70^{\circ}C$	

Electrical

Display	± 5000 Backlight LCD
Excitation	1.5V(AAA Size) Alkaline Battery $\times 3$
Display Time	1, 2, 5, 7, 10 time/sec
Function	Unit Conversion, Peak, Auto Power Off, Auto Zero

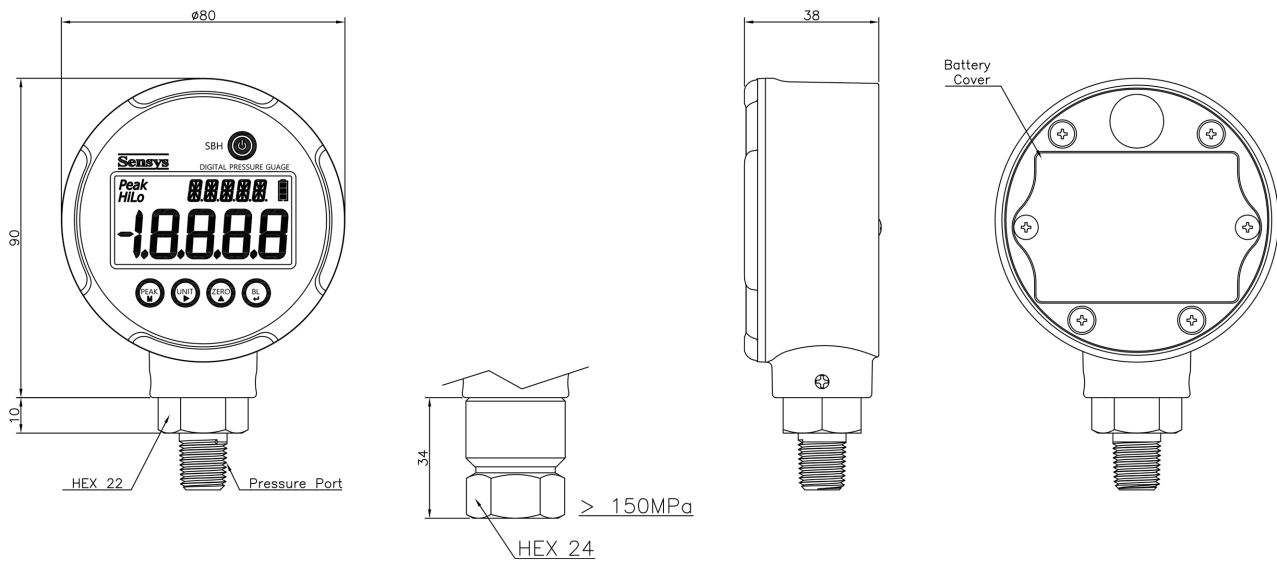
Physical

Proof Pressure	X3 or 140MPa ¹⁾	$\leq 150\text{MPa} : X1.5$ or 150MPa ¹⁾ $> 150\text{MPa} : X1.5$ or 500MPa ¹⁾
Burst Pressure	X4 or 210MPa ¹⁾	$\leq 150\text{MPa} : X2$ or 150MPa ¹⁾ $> 150\text{MPa} : X2$ or 600MPa ¹⁾
Vibration	49.1m/s ² {5G}, 10~500Hz	
Shock	490m/s ² {50G}	
Pressure Port	G(PF)1/4", NPT1/4", 9/16UNF Female(Only $> 150\text{MPa}$)	
Media-Wetted Materials	SS316L	SS316L, Ti 87%
Protection	IP65	
Weight	Approx. 350g	

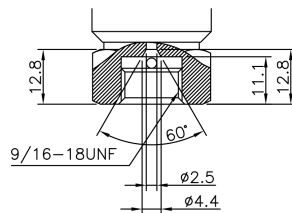
¹⁾ Whichever is less.

Dimension

► Out Dimension



► Pressure Port(> 150MPa)



Ordering Information

Model Name	SBH	A	0100	R	D	G	Type of Pressure Measurement
Output							G : Gauge J : Absolute
Pressure Range							Pressure port D : G(PF)1/4" L : NPT1/4" K : 9/16-18 UNF(F) (Only > 150MPa)
							Pressure Unit R : kPa M : MPa