

SPT28 Digital Pressure Gauge

Features

- Large LCD screen with high resolution
- Peak recording function, capable of recording the highest pressure during operation
- Dynamic pressure percentage display (progress bar)
- Five measurement units available: psi, bar, kPa, kg/cm², MPa
- Optional 1-15 minute automatic shutdown function
- Upper and lower limits for measurement range
- Sampling rate up to 4 times/second
- Suitable for pressure measurement of various gases and liquids



Applications

- Hydropower and Water Conservancy
- Petroleum and Chemical Industry
- Machinery
- Hydraulic and Pneumatic Control

Introduction

The SPT28 digital pressure gauge features an all-electronic structure and is battery-powered, making on-site installation simple and convenient. It employs a high-precision piezoresistive pressure sensor, a low-temperature drift amplifier for signal processing, and a high-precision A/D converter. After the signal is converted into a digital form, the actual pressure value is displayed on an LCD screen.

This intelligent digital pressure gauge is highly flexible, easy to operate, battery-powered, and offers safe and reliable performance.

Specification

Pressure range	-0.1...0~0.01...100MPa
Over pressure	≤2 times full scale pressure
Pressure type	Gauge/absolute
Accuracy	±0.25%FS、±0.5%FS
Long term stability	≤±0.1%FS/year
Application temp.	-20~75℃
Storage temp.	-0~80℃
relative humidity	≤80%
Display range	-1999~9999
Compatible Media	Liquids or gases compatible with stainless steel

Power Supply

Battery voltage	9V
Display	LCD

Material

Pressure port	ABS (Acrylamide-Butane-Polystyrene)
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Function settings

"ON/OFF" key. Function description:

- 1.Short press to turn on and off the function.
- 2.Long press to enter unit switching mode,(psi; bar; kpa; kg/cm²; Mpa)

"zero" key. Function description:

- 1.Short press is for peak clearing function;
- 2.Long press is for zero clearing function, and the clearing range is 10% of the full scale

Press the zero key and the power button simultaneously: Enter the menu.

Normal user menu: 1000

OFFT: Automatic shutdown time, can be set in the range (0~15), "0" means no shutdown, "1~15" means shutdown timing, indicating the time unit is minutes

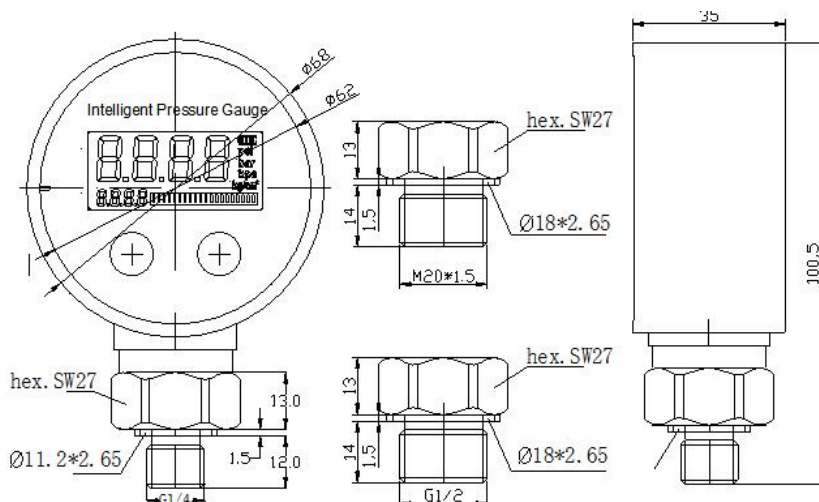
Bclt: Backlight on time, can be set in the range (0~15), "0" means turn off the backlight, "1~15" means backlight timing, indicating the time unit is minutes.

FLIT: Adjusts the size of the filter window from 0 to 32; larger values can result in slower response times. The default value is 5, but a value of 10-15 is recommended for stable display.

SSEF: Values from 0 to 15 represent small signal removal; higher values result in lower display resolution. The default value is 1, and a value of 1 is recommended.

END: 0: Do not save, 1: Save user, 2: Save factory settings.

Outline Dimension (unit: mm)



Order Information

SPT28	Digital Pressure Gauge				
	Range	-0.1...0~0.001...100MPa			
	[0~X]MPa	X:the actual measured pressure			
		Code	Construction material		
			Pressure port	Housing	
		22	SS304	SS304	
		24	SS316L	SS316L	
			Code	Other	
			C1	M20*1.5 (M)	
			C3	G1/2(M)	
				Accuracy	
				±0.25%FS	
				±0.5%FS	
SPT28	[0~1MPa]	22	C1	0.5%	the whole spec

Selection Tips:

1. The battery is 9V powered;
2. For non-standard or special requirements, please consult with our company.

Contact

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