

# ANP583 Digital Display Gauge with Battery Powered



## Description

ANP583 Digital Display Gauge with Battery Powered uses high-precision diffused silicon pressure sensor, and the circuit part uses 24 bit special AD processing chip and industrial MCU, which is suitable for variety of on-site real-time monitoring.

The product is suitable for portable equipment, metering equipment and indoor pipe system fluid pressure test.

## Features

- 4 and 1/2-bit LCD display with high resolution.
- 3-digit ambient temperature display
- Micro power design, pressure peak holding
- Dynamic display of pressure percentage
- Five pressure unit switching: psi, bar, kPa, MPa, kg/cm<sup>2</sup>

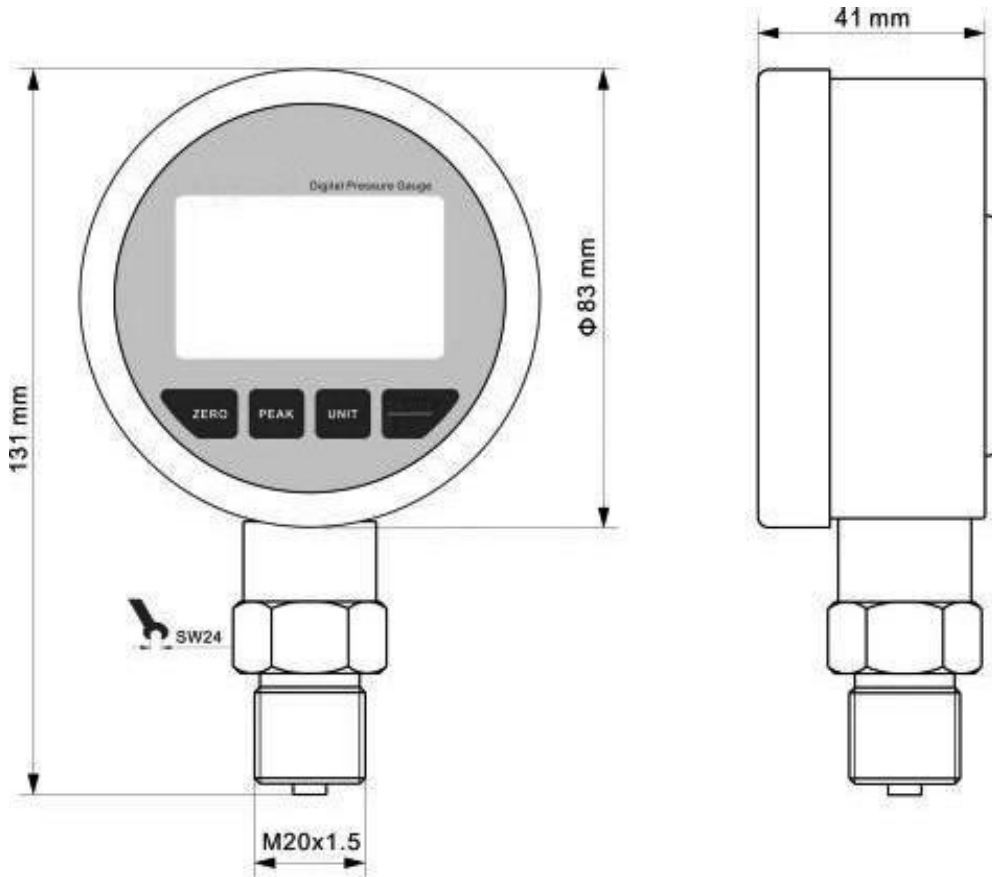
## Applications

- Indoor pipe system
- Mechatronics
- Portable equipment
- Measurement equipment

## Specifications

Pressure Range	-0.1MPa...0MPa~0.01MPa...100MPa
Overload	2 times of Pressure Range or 110MPa (Min)
Pressure Type	Gauge pressure, sealed gauge pressure
Power Supply	3V DC (2 AAA battery powered)
Display Range	-1999~9999
Pressure Connection Material	Stainless steel 304
Housing Material	Stainless steel 304
Sensor	316L stainless steel
Sealing Ring	FKM
Protection Class	IP54
Media	Media should be compatible with 316L and FKM
Operating Temp.	-10°C~+60°C
Storage Temp.	-20°C~+60°C
Accuracy	±0.5% (max) ±0.2% (typical)
Temp. Coefficient of Zero	0.03%FS/°C (≤100kPa) 0.02%FS/°C (>100kPa)
Temp. Coefficient of Span	0.03%FS/°C (≤100kPa) 0.02%FS/°C (>100kPa)
Long-term Stability	±0.2%/Year (max)

Dimension (mm)



## Selection Guide

ANP583				
Range		-100kPa~0kPa	-100kPa~100kPa	-100kPa~250kPa
		-100kPa~600kPa	-100kPa~1000kPa	0kPa~60kPa
		0kPa~100kPa	0kPa~160kPa	0kPa~250kPa
		0kPa~600kPa	0MPa~1MPa	0MPa~1.6MPa
		0MPa~2.5MPa	0MPa~4MPa	0MPa~6MPa
		0MPa~10MPa	0MPa~16MPa	0MPa~20MPa
		0MPa~25MPa	0MPa~40MPa	0MPa~60MPa
		0MPa~100MPa	-16kPa~16kPa	-25kPa~25kPa
		Code	Connection	
		C1	M20x1.5 external thread end plat	
		C2	M20x1.5 external thread water plane	
		C3	G1/2 external thread	
		C4	G1/4 external thread	
		C5	G1/4 internal thread	
		C6	NPT1/4 external thread	
		C7	NPT1/2 external thread	

### Noted:

1. Pls aware the unnecessary damage caused by incorrect installation and operation. It is necessary to completely know the working conditions such as media and range of your point.
2. If you have any special requirements, pls feel free to contact us. We can do customized products for you.
3. 0.1 grade accuracy is customizable.