

MD-S270 SERIES

WIRELESS DIGITAL PRESSURE GAUGE

PRODUCT SELECTION GUIDE

Applicable model :

MD-S270G GPRS Wireless Digital Pressure Gauge

MD-S270L LORa Wireless Digital Pressure Gauge

MD-S270N NB-iot Wireless Digital Pressure Gauge



Product patents: 201620489226.7
201621486624X

MD-S270 series wireless digital pressure gauge is independently developed by Shanghai Meokon. Low-power wireless transmission digital pressure gauge with battery power.

The series of digital digital pressure gauges are available in a variety of wireless transmission modes, including GPRS/LORa/NB-iot multiple transmission options. This series of products adopts explosion-proof cast aluminum casing and 304 stainless steel joints. It is equipped with high-precision pressure sensor and LCD liquid crystal display screen. It can measure the non-corrosive medium of gas, liquid and oil, and has the characteristics of medium and compatibility. It has a variety of auxiliary functions such as clearing, backlighting, power on/off, unit switching, and low voltage alarm.

This series of products have the sensor acquisition speed can be set, the frequency of the upload can be set, the high and low pressure alarm value can be set, the real-time pressure alarm and other functions.

The MD-S270G is a GPRS-transmitted wireless digital pressure gauge that uploads the on-site pipeline pressure to the cloud by leveraging China Mobile's mature GPRS network. Users can match IP addresses and other general parameters either on-site or remotely.

The MD-S270L is a LORa transmission wireless digital pressure gauge, which is used with the LORa gateway. It has the advantages of low power consumption, long transmission distance, strong signal penetration, and self-organizing network.

The MD-S270N is a NB-iot wireless digital pressure gauge with the latest NB-iot technology, low power consumption, high transmission efficiency and low tariff. This series of products has passed CE certification and intrinsic safety certification.

TECHNICAL CHARACTERISTICS:

- ✓ Low power design, battery power, long battery life
- ✓ Optional battery power supply, power supply mode
- ✓ GPRS/LORa/NB-iot multiple wireless transmission methods
- ✓ 304 stainless steel housing and connector, 316L stainless steel diaphragm, media compatibility
- ✓ -0.1~0...0.01 0.1...1.6...10...200MPa full scale coverage

PRODUCT FEATURES:

- ✓ Multiple pressure unit switching
- ✓ Wireless transmission function
- ✓ Switch function
- ✓ Remote configuration or button to set IP address, alarm point, sending frequency, etc.
- ✓ Equipped with a gateway for efficient pressure monitoring (LORa) in the LAN

PRODUCT APPLICATION:

- ◇ Fire hose network
- ◇ Heating
- ◇ Smart water
- ◇ Medical equipment
- ◇ Other occasions requiring wireless pressure monitoring

上海铭控传感技术有限公司

MEOKON SENSOR TECHNOLOGY(SHANGHAI) CO., LTD.
TEL:021-57780480 57780436
FAX:021-51564102

TECHNICAL PARAMETER :

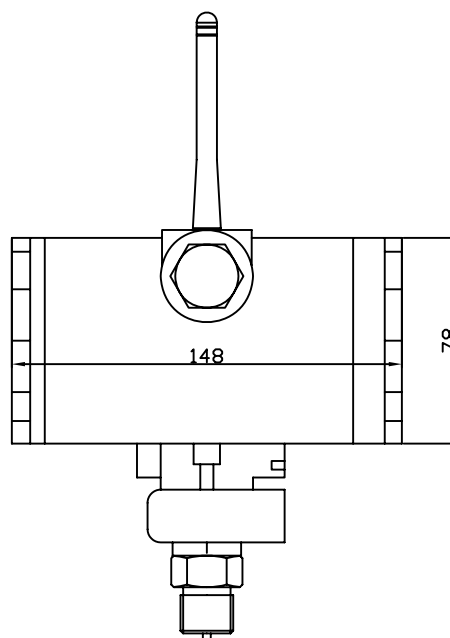
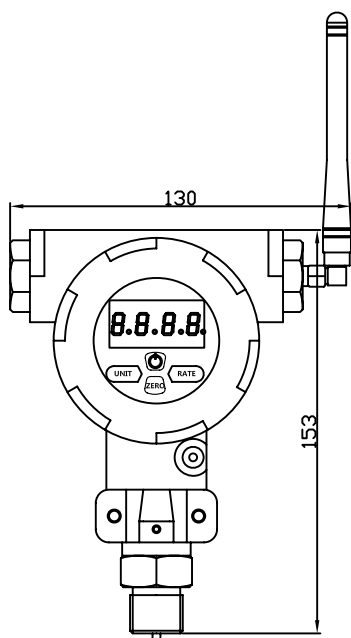
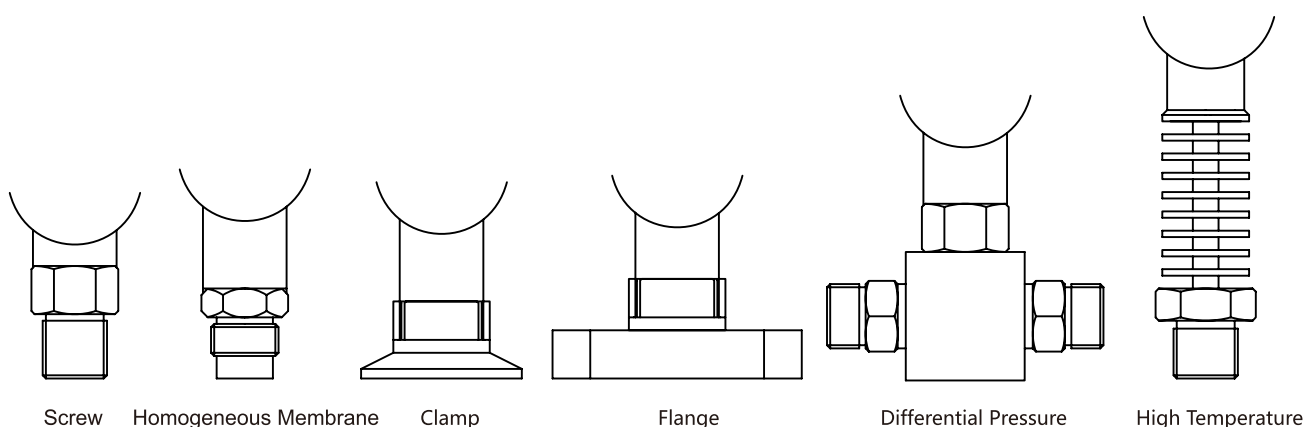
	MD-S270G	MD-S270L	MD-S270N
Range	Conventional range: 0-0.16...0.25...0.4...0.6...1.0...1.6...2.5...5...10...25...40...60 Mpa Micro pressure range : 0-1...2.5...4...610...25...40...60...100kPa Ultra High Pressure Range : 0~100...160...200...250MPa Negative Pressure and Compound Range : -100...-60...-10...-5~0...5...10...60...100...1000kPa		
Overload Pressure	≤10Mpa 200% ; > 10Mpa 150% ;		
Transfer Method	GPRS	LORa	NB-iot
Dial Diameter	76mm		
Accuracy Level	1.0%FS 0.5%FS		
Supply Voltage	3.6V(Lithium battery,User can replace it), Also available in 220V or 12V power supply		
Long-term Stability	±0.25%FS/year (Typical value)		
Display and Backlight	4digit LCD display, White backlight		
Operating Temperature	-20~60°C		
Compensation Temperature	0 ~ 60°C		
Electrical Protection	Anti-electromagnetic interference		
Sampling Frequency	1 ~600 times/sec		
Speed of application	1-1440 minutes can be set		
Alarm Point Setting	High and low alarm points can be set at full scale		
Data Configuration	Button or remote configuration		
Pressure Connection	M20*1.5 G1/2 G1/4 (Standard thread)		
Safety Certificate	CE certification		
Explosion-proof Grade	ExibIICT4		
Remark	NB-iot/GPRS with IP address setting function		

FUNCTIONAL COMPARISON OF PRODUCTS:

	MD-S270G	MD-S270L	MD-S270N
Transfer Method	GPRS	LORa	NB-iot
Power consumption	Highest	Lower	higher
Transmission Distance	Depending on the existing carrier base station	Better than 3km	Depending on the NB base station
Gateway Configuration	No	LORa	No
Networking Time	20 seconds	5 seconds	5 seconds
Tariff	Refer to local operator tariff standards	No	Refer to local operator tariff standards
Product Features	IP address and port can be set High and low alarm points can be set Sensor acquisition frequency can be set The frequency of sending can be set Work status query	High and low alarm points can be set Sensor acquisition frequency can be set The frequency of sending can be set Work status query	High and low alarm points can be set Sensor acquisition frequency can be set The frequency of sending can be set Work status query
Message Format	Customizable message format	Transparent transmission protocol	Custom message format

SIZE:

UNIT:mm


JOINT SKETCH:

上海铭控传感技术有限公司

MEOKON SENSOR TECHNOLOGY(SHANGHAI) CO., LTD.

TEL:021-57780480 57780436

FAX:021-51564102

SELECTION GUIDE:**MD—S270G P— 2M— 1— P0 — M1— T1— L****MODEL:**

S270G(GPRS)
S270L(LORa)
S270N(NB-iot)

INSTALLATION MODE:

E(Radial Installation)
Z(Axial Installation)

FEATURE:

X(Normal)
P(Homogeneous Membrane)
DP(Differential Pressure)
KF(Clamp) DN(Flange)

RANGE:

X k (0-X kPa)
X b(0-X bar)
X M(0-XMPa)

ACC:

1 (0.5%) 6(1.0%)

POWER SUPPLY:

P0(Battery powered) P2(24V) P6(12V)

ADDITIONAL OPTIONS:

L(Display)
I(Intrinsically safe
explosion-proof)

Medium temperature :

T7 (Customized temperature)
T1 (-20~80℃)

THREAD INTERFACE :

M1 (M20*1.5) M2 (G1/4)
M3 (G1/2) M4(1/2NPT)
M5(1/4NPT) M7(ZG1/4)
M9(Customized)

