

GPL100 SERIES

WIRELESS PRESSURE TRANSMITTER

FEATURES

- ◎ Supports local and remote setting of parameters
- ◎ Real-time view of equipment working status
- ◎ Supports NB-IoT communication method
- ◎ Supports parameters setting by serial communication
- ◎ Fast collection speed, 24-bit high accuracy
- ◎ Low power consumption, data storage, threshold alarm and low battery alarm functions
- ◎ Built-in watchdog, no crash
- ◎ The pressure threshold and dynamic change threshold alarm information are reported in time



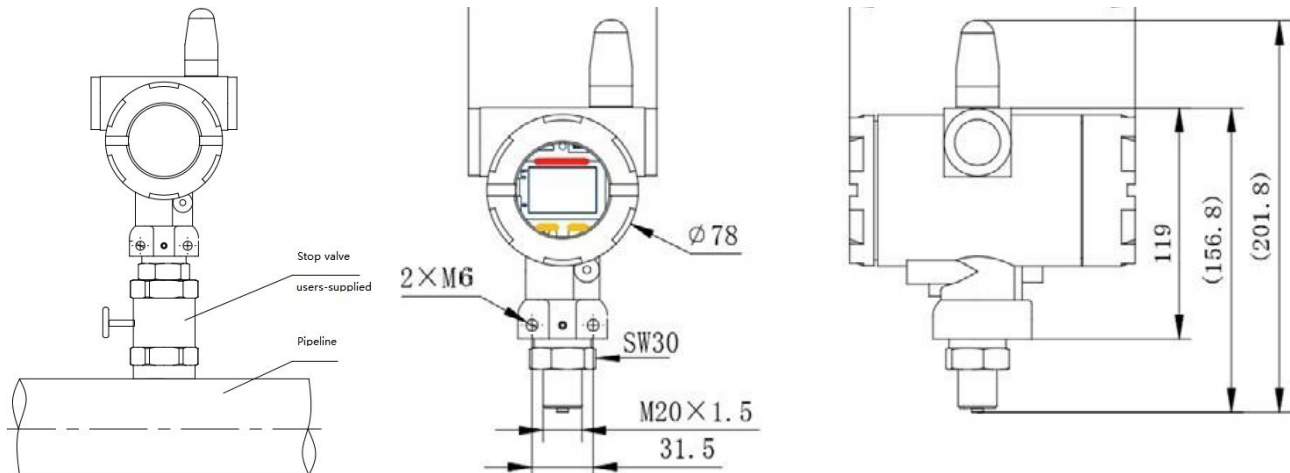
INTRODUCTION

The GPL100 series is a wireless pressure transmitter designed for field use without the need for single-point wiring. It uses highly reliable silicon piezoresistive pressure sensors as its core components. After temperature compensation, digital circuit correction, and signal conditioning, the transmitter outputs wireless networking signals. Each product undergoes a meticulous process that includes careful design, component selection, process validation and curing, cyclic loading, aging, environmental simulation testing, and more, ensuring the stability and reliability of every unit.

SPECIFICATIONS

Pressure type	Gauge pressure, Absolute pressure, Sealed pressure
Pressure range	10KPa~20kPa...60MPa
Power supply	Lithium battery(36Ah) or solar
Output signal	NB-IoT, 4G, LoraWAN
Overload pressure	150%FS
Working mode	Report regularly and actively, collection and reporting period settable, abnormal alarm
Automatic detection	Built-in monitoring module to monitor the operation of equipment
Media temperature	-20°C ~70°C
Accuracy	0.5%FS
Measuring medium	Fluid compatible with 316L
Protection	IP66,IP67,IP68

MECHANICAL DIMENSION



ORDER FORMAT

GPL100 - 100B - G - G1/4 - NB

Pressure range	Code
0~Xbar	XBar
0~XKPa	XKPa
0~XMPa	XMPa
0~XPSI	XPSI

Pressure type	Code
Gauge pressure	G
Absolute pressure	A
Sealed pressure	S

Code	Output signal
NB	NB-IoT
4G	4G
LW	LoraWAN

Code	Thread size
G1/2	G1/2
G1/4	G1/4
1/2NPT	1/2NPT
1/4NPT	1/4NPT
M20	M20X1.5