

Wireless pressure transmitter


Product Overview:

This equipment is a wireless pressure transmitter powered by battery, micro power design, support a variety of communication protocols, easy to install and use. It can be widely used in water, oil, gas and other pressure automatic measurement and monitoring network system.

Main features:

- Wireless output, without complicated wiring installation;
- Micro-power design, standby current as low as 10uA (30uA with LCD display);
- Sampling, communication interval, standby waiting time can be customized within 60 seconds to 24 hours;
- High capacity 17000mAh battery power supply, service life of up to 2-3 years, open battery design easy to change at any time with data storage function, network failure data will not be lost;
- Device parameters can be modified remotely;
- Magnetic switch design does not open the mask for routine operation;
- High performance diffused silicon sensor with high integration bridge pressure sensor signal conditioning advanced chip high sensitivity, high precision, high stability;
- Full temperature area warming, good electrical performance and long-term stability;

Technical parameters:

	Range range	0-2.5MPa(other can be customized)
	Overload pressure	200%FS(less than 10MPa); 150%FS (25MPa or more)
	Process connection	M20*1.5, etc., customizable
	Overall accuracy	± 0.5%, ± 0.2%, ± 0.1%, ±0.075% optional
	Temperature	-10 to 70 ° C
	Long-term stability	±0.3%FS/ year
	Operating temperature	-40 to 85 ° C (shell)
	Storage temperature	- 40 ~ 125 ° C
	Supply voltage	3.6VDC lithium battery 17000mAh
	Communication method	NB-IoT/ 4G/Lora
	Communication protocol	COAP/MQTT
	Communication interval	60 seconds customizable
	Level of protection	IP65
	Medium adaptability	304 stainless steel without corrosion of various fluids
	Vibration	10gRMS, (20 to 2000)Hz
	Impact	100g, 11ms
	Insulation	Greater than 100MΩ @250VDC
Response time	Less than 1ms (@90% FS)	
CE certification	EMC: IEC61326-1 Class B; Electrostatic discharge immunity: IEC61000-4-2; Electromagnetic field immunity: IEC61000-4-3; EFT immunity: IEC61000-4-4; Surge immunity: IEC61000-4-5;	