Digital Wireless Pressure Transmitter

GaMicos

GPT2451

PRODUCT OVERVIEW ////

GPT2451 Smart Wireless Pressure Transmitter is a low power and wireless communication power consumption smart instrument. Relying on a mature 4G network, it can realize the wireless transmission of field instrument data to the cloud platform and mobile client. This product can set parameters such as pressure unit, range zero/range full scale, high/low alarm value, fluctuation threshold, upload time and other parameters through USB on the terminal, and can also remotely customize the collection frequency through the cloud platform, and view real-time data and history online Data allows customers to accurately and timely grasp on-site information.

The instrument adopts a large-capacity lithium battery to provide a stable and reliable power supply , allowing it to operate safely for more than 6 years (uploading once per hour). The self-developed low-power consumption system can not only provide users with on-site data through the LCD screen, but also upload data through the wireless module, and even graft the data to the user's own cloud platform. The powerful control algorithm makes the instrument have signal breakpoint continuity Transmission, automatic switching of working modes, real-time alarms for pressure fluctuations, one-key wake-up and other practical functions

PRODUCT FEATURES ///

- 4G network is suitable for wide range of areas, and there is signal coverage
- LCD real-time display with backlight；
- Automatically adjust the time when connected to the network, and reconnect when the network is disconnected
- Remote setting of collection interval and sending interval;
- Upper and lower threshold alarm function, remote setting of threshold;
- PC and mobile data application；
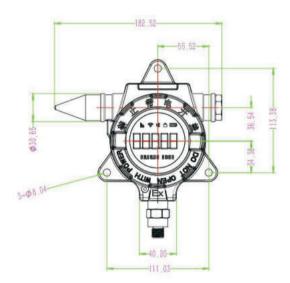- IP67 protection grade, moisture-proof, suitable for outdoor environment;
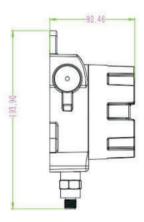
APPLICATION ////

Based on broad coverage of the 4G public network, the product can detect various monitoring point real-time data in a large area, such as coal mine wells, water pipe network pressure, fire pipe network, etc. The product application fields mainly include petroleum, coal, tap water, automation control, etc.

Range	-100kpa~0kPa~20kPa…100MPa
Power supply	Battery powered (3.6V,19AH)
Battery service life	6 years for once data per hour
Data transmission interval	Available time 2min-1440min
	Note：The shorter the data transmission interval, the shorter the battery life
Power consumption	Stand-by current≤80uA，Average data sending current≤150mA
Accuracy	±0.5%FS
Network	NB-IOT, 4G optional
Configuration method	USB configuration operation, server remote configuration
Display	Segment LCD screen
Temperature influence	0.015%FS/℃
Working temperature	-30℃～70℃
Wake up method	Buttons, timing
Relative humidity	0%～95%
Sensor material	Sensor diaphragm 316L，shell material: stainless steel
Overload pressure	1.5 times rated pressure
Protection grade	IP67

DIMENSION ////

GPT2451	Pressure transmitter						
	Code	**Range**					
	0/X	-100kpa~0kPa~20kPa…100MPa					
		Code	**Pressure type**				
		G	Gauge				
		S	Sealed gauge pressure				
		A	Absolute pressure				
			Code	**Wireless type**			
			N	NB-IOT			
			G	4G			
				Code	**Power supply type**		
				B	Built-in battery power		
				D	External power supply		
					Code	**Pressure type**	
					C1	M20×1.5 external thread interface	
					C2	G1/2 external thread interface	
					C3	Others	
						Code	**Software service type**
						B1	Big data platform
							Code	**Additional features**
							C1	With SIM card （Domestic only）
							C2	Without SIM card
GPT2451	0/1MPa	A	N	B	C3	B1	C1