

# SIER ELECTRONICS CO., LTD

A: 2nd Floor, Building No.A2, Western sensor park, No.30 Jiangtan Xi Road, Baoji 721004, Shaanxi, China

Tel: +86 917 3652001

Fax: +86 917 3652001

Email: [kenny@sierelectro.com](mailto:kenny@sierelectro.com)

Web: [www.sierelectro.com](http://www.sierelectro.com)

## SPT22S Explosion Proof Wireless Pressure Transmitter

### Features

- Support multiple wireless transmission modes
- 24Bit high precision ADC acquisition
- High energy lithium battery power supply, long standby time
- Low power consumption, static current up to 15ua
- OLED display, low temperature resistance
- Small structure, convenient on-site installation



### Introduction

SPT22S Explosion Proof Wireless Pressure Transmitter is a high-energy lithium battery powered pressure detection intelligent instrument with wireless communication function. The instrument uses the micro melting pressure sensor as the pressure signal measuring element, and uses 24 bit high-precision AD converter to collect the pressure and temperature signals, so as to realize the zero point and temperature performance compensation of the transmitter in a wide temperature range. It is characterized by stainless steel single piece integrated structure, no O-ring, no weld, no silicone oil, wide pressure range, adaptability to harsh environment, wide range coverage, and strong overload capacity. Support a variety of wireless: 433, Lora, Lora wan, GPRS, LTE, nbioT, WiFi, etc. The man-machine interface adopts a 1.3-inch low-power LCD screen, which is easy to operate and display. The application fields are natural gas, petrochemical industry, fire control, tap water, industrial monitoring system, etc. through wireless communication, the signal remote wireless transmission is realized, thus simplifying the installation mode, saving the wiring cost of customers, and truly achieving the purpose of energy conservation and environmental protection.

The product technical conditions and verification methods conform to gb3836.1-2010 "explosive environment Part 1 General requirements for equipment" and gb3836.2-2010 "explosive environment Part 2 equipment protected by flameproof enclosure" d ".

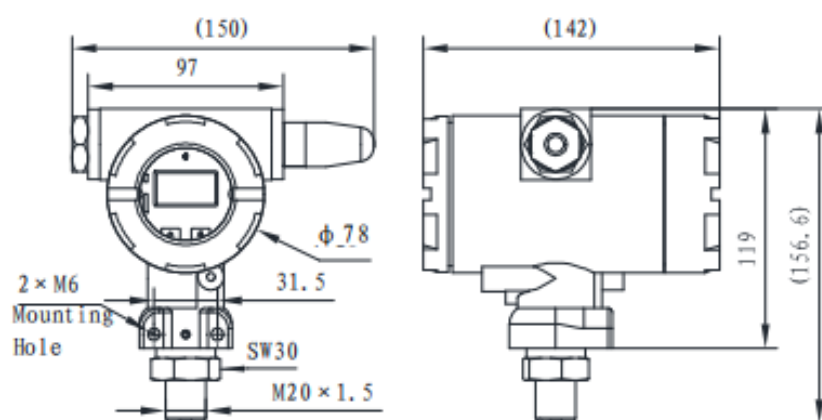
### Specification

Item	Specification
Pressure range	-1...0~0.1...1000bar
Zero temperature drift	±0.03%FS/°C
Full range temperature drift	±0.03%FS/°C
Long term stability (1 year)	±0.25%FS/year
Accuracy	±0.1%FS. ±0.25%FS. ±0.5%FS
Absolute source impedance (250VDC)	50M Omega

## SPT22S Explosion Proof Wireless Pressure Transmitter Datasheet

Overload pressure	1.5 times FS
Compensation temperature	-20 ~ 85℃
Working temperature	-40 ~ 85 ℃
Storage temperature	-40 ~ 85 ℃
Protection level	IP65
Power supply	3.6V high energy lithium battery
Display	OLED 1.3-inch ultra-low power display
Sending interval	1min ~ 9999min can be set

### Outline Dimension (Unit:mm)



### Order Information

SPT22S	Explosion Proof Wireless Pressure Transmitter			
	Range	-1...0~0.1...1000bar		
		[0~X] bar		
		Code	Data transmission type	
			G	
			L20	
			L30	
			M	
			W	
			Others	
		Code	G1/4 male thread	
			G1/2 male thread	
			Gauge type pressure	

## SPT22S Explosion Proof Wireless Pressure Transmitter Datasheet

SPT22S	0-10bar	G	C2 the whole specification
--------	---------	---	----------------------------

Note: for special requirements, please contact the manufacturer.

- 1, Please note that the tested medium shall be compatible with the part contacting the product and the medium.
- 2, When the transmitter with zero pressure and negative pressure is required, please indicate the range when ordering.
- 3, For special requirements, please consult with our company and indicate in the order.