

Overview

Intelligent Water Level Sensor is the standard form of pressure transmitter of our company. Fully intelligent technology is adopted to reflect the advanced pressure transmitter technology; Compact, firm, light weight, easy to install, easy to use and maintenance free; The zero range can be adjusted externally and the migration range is wide; With liquid crystal display, the transmitter parameters can be configured by pressing the key. It is widely used in petroleum, chemical industry, sewage treatment, constant pressure water supply, environmental protection, machinery, metallurgy, electric power, military industry and other fields to measure gauge pressure and absolute pressure. It can also measure negative pressure. It is suitable for all kinds of occasions, harsh and dangerous environment and all kinds of corrosive media.



The transmitter changes the pressure signal into an electrical signal through the pressure sensor, and then the preamplifier amplifies and filters the electrical signal, which is sent to the conversion module for analog to digital conversion, data processing, display and output. The principle block diagram is as follows:

Passive medium --- > sensor --- > electronic circuit --- > output signal
The pressure of the measured medium directly acts on the ceramic / diffused silicon diaphragm of the sensor, causing the diaphragm to produce a small displacement proportional to the medium pressure. After the electronic circuit detects this displacement, it converts this displacement into a standard industrial measurement signal corresponding to this pressure. The sensor has good stability and high reliability. Diffused silicon pressure transmitter can be used with various types of digital display instruments, automatic regulation system or computer system.

Technical Parameters

- Applicable medium: liquid, gas and steam
- Range: Liquid level 0-10-200-2000 meters (see product nameplate for specific product range)
- Compensation temperature: (- 10 ~ 70) °C
- Operating temperature: (- 20 ~ 80) °C, 80-300 °C (high temperature type)
- Comprehensive accuracy: grade 0.5; Grade 0.25 (optional)
- Output selection: (4 ~ 20) MA; (1 ~ 5) V (see the product nameplate for the output of specific products)
- Power supply voltage: 12 ~ 30V DC, 24V recommended DC
- Display mode: LCD, LED
- Process interface: M20 * 1.5; G1 / 2, npt1 / 2 (customizable)
- Protection grade: IP65

Instrument Wiring

- 1. Two wire 4-20mA current output:
- 2. RS485 output:

Water Level Sensor	OUT+/1	Power Supply +
	OUT-/2	signal+

Water Level Sensor	OUT+	Power Supply +
	OUT-	Power Supply -
	TEST+	RS485 A
	TEST-	RS485 B