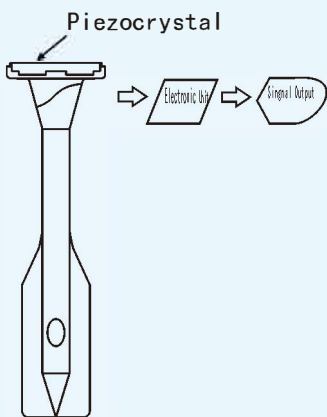


Tuning Fork Level Switch

WPX501 Parameter Table

Working Principle:

The tuning fork vibrates at a resonant frequency through a pair of piezoelectric crystals attached to its base. When the fork of the liquid level switch is in contact with medium, the frequency and amplitude of the tuning fork will change. These changes of the liquid level switch of the tuning fork will be detected and processed by an intelligent circuit and converted into a switch signal.



Work characteristics	Measure Medium	Liquid/Powder
	Vibrational Frequency	350HZ
	Accuracy	±5mm
	Measuring Length	100-3000mm
	Ambient Temperature	-40 ~ 80°C
	Repeatability	±3mm
	Indication Method	LED
Electrical characteristics	Power Supply	DC24V/AC220V
	Power	1W
	Output Signal	DPDT
	Maximum Load	8A
Mechanical properties	Pressure Range	-98KPa~5MPa
	Operation Temperature	-40-150°C
	Housing Material	Aluminium
	Sensor Material	SS316
	Fastening Material	SS304
	IP Grade	Ip67
	Electrical Interface	M20*1.5/G1"
other	Product Weight	1.2Kg

Tuning Fork Level Switch

WPX501 Structure				
Standard	Extended	Flange	High Temp	Cable
<p>High Level Alarm</p> <p>Low Level Alarm</p> <p>Pump Protecting</p> <p>Overflow Alarm</p> <p>Interface Measuring</p>	<p>◆Overflow Protecting</p> <p>Overflow caused by overloading will harm environment, leading to production loss and increased cleaning cost. This Level instrument is a limit switch used to provide an overflow signal at any time.</p> <p>◆Alarm of High And Low Level</p> <p>It is ideal for max and minimum liquid level detection in a variety of liquid tanks. The stable level switch is capable of continuous operation at temperatures up to 302°F (150 °C) and operating pressures up to 1450 PSIG (100BAR), making it particularly suitable for high or low level alarms. It is suggested to install a separate high level alarm switch to provide an additional backup switch in case of failure.</p> <p>◆Leak Detection</p> <p>Flanges, gaskets, seals, corrosive liquids-under adverse conditions, they may all leak. Most users' on-site storage tanks and containers are installed on the floor or in the protective body to prevent liquid leakage. The product can quickly and accurately detect any leaks, so it can significantly reduce costs.</p> <p>◆Sanitary Application</p> <p>Highly polished tuning fork with an excellent surface finish (Ra) of 0.8um, can meets the basic design standards for strict dietary and pharmaceutical applications. As it is made of stainless steel, durable enough to withstand routine steam cleaning (CIP cleaning in place) at temperatures up to 302°F (150°C).</p>			

