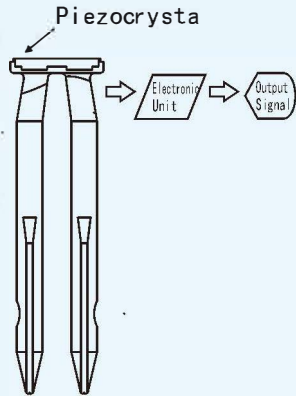

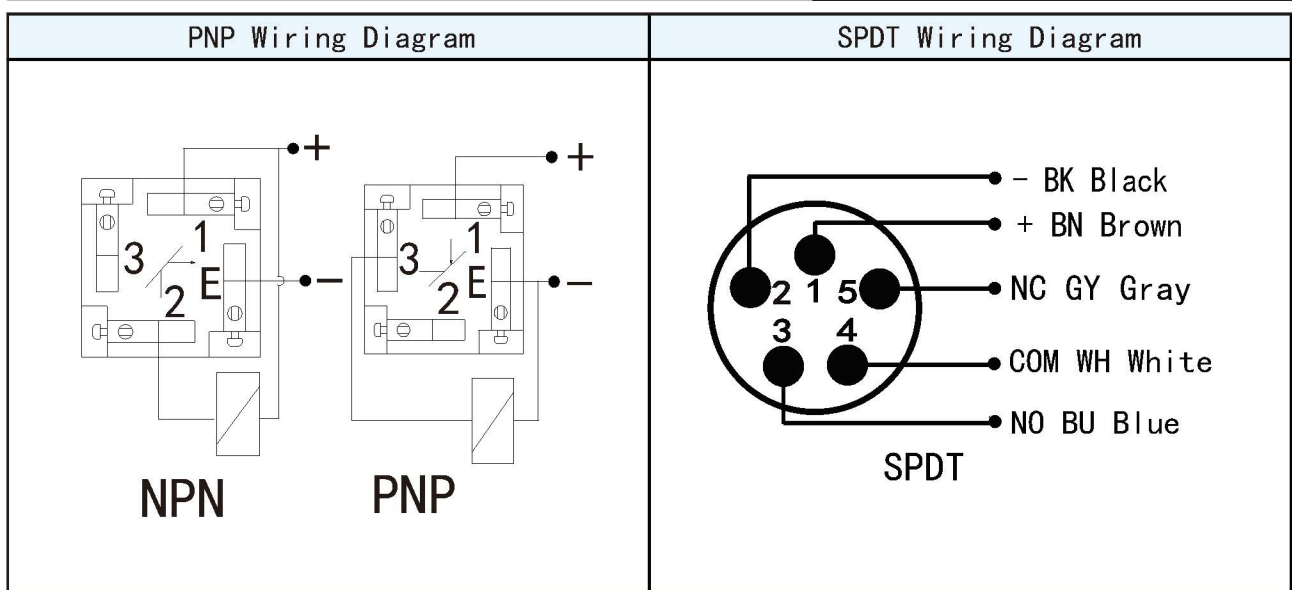


Compact Tuning Fork Level Switch

WPX503 Parameters Tables

<p>Working Principle</p> <p>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.</p> <div style="text-align: center;">  </div>		
Work characteristics	Measure Medium	Liquid/Powder
	Vibrational Frequency	350/1000HZ
	Accuracy	±2mm
	Measuring Length	40-1000mm
	Ambient Temperature	-30-80°C
	Repeatability	±2mm
	Indication Method	LED
	Power Supply	DC24V
Electrical characteristics	Power	1W
	Output Signal	SPDT/PNP/NPN/NAMUR
	Maximum Load	SPDT (5A) ; PNP/NPN (350mA)
Mechanical properties	Presssure Range	-98KPa-3MPa
	Operation Temperature	-30-150°C
	Housing Material	Stainless Steel
	Sensor Material	Ss316
	Fastening Material	Ss304
	IP Grade	Ip67
	Electrical Interface	Hersman Joint / Aviation Joint
other	Weight	0.5Kg

Compact Fork Level Switch



Model Selection

503	Compact Fork Level Switch						
	Code	Product Type					
	A	Standard					
	B	High Temperature					
	C	Sanitary					
		Code	Insertion Length				
		01	40mm (standard)				
		02	Extended 100mm~3000mm Available				
		03	Cable Type Extended Split 1~100m Available				
			Code	Power Supply			
			D	24V DC±10%			
				Code	Material		
				1	SS 304 (Standard)		
				2	Ss316		
				3	Other Material (Please Remark)		
					Code	Process Connecting	
					G	G1"Thread (standard)	
					T	1"NPT Thread	
					C	Customer Other Request (Please Note Spec)	
					F	Flange Connection (Please Note Flange Spec & Standard)	
						Code	Other Parameters
					A	Normal Temperature: °C	
					B	Normal Pressure: Kpa	
					C	IP Grade: IP66	
					D	Explosion: ExdII CT6	
					E	Max Temperature: °C	
					F	Max Pressure: Kpa or Mpa	
					()	Customer Other Request	
503	A	01	D	1	G	AB	(Example)

Compact Tuning Fork Level Switch

WPX503 Structure			
Standard	Standard (Small Fork)	Sanitary (Clamp)	Other
Scope of application	<ul style="list-style-type: none"> ◆ Easy To Install ◆ Cost Effective ◆ Structural Integration ◆ LED Display ◆ Small Dimension ◆ Cost Down ◆ Error Prevention Switch 		<ul style="list-style-type: none"> ◆ SS304 Housing ◆ IP66/67
	<ul style="list-style-type: none"> ◆ Error Prevention Switch ◆ Cost Effective ◆ Low Maintenance ◆ Manual Testing Facility 		<ul style="list-style-type: none"> ◆ Light Weight ◆ SS316 ◆ 3/4" Thread Connecting
	<ul style="list-style-type: none"> ◆ Sanitary Installation ◆ Sanitary Surface Finish ◆ 2" Tri-clamp connecting 		
	<p>The short tuning fork minimizes the length of the wetted area, and can be easily installed in pipes or containers at any angle, thereby reducing installation costs. Because the extension length of the tuning fork is only 2 inches (50mm) (depending on the connection type), can even be installed on small-diameter pipes. By selecting the direct load switch electronic component option, the device becomes an ideal choice for reliable pump control and is available to prevent dry running of the pump.</p> <p>◆ Pump Control</p> <p>Many processes require centralized processing and elevated storage tanks, usually requiring the pump to be controlled to reach the liquid level between set points. These storage tanks are usually made of thinner materials and therefore cannot withstand heavy instruments.</p>		