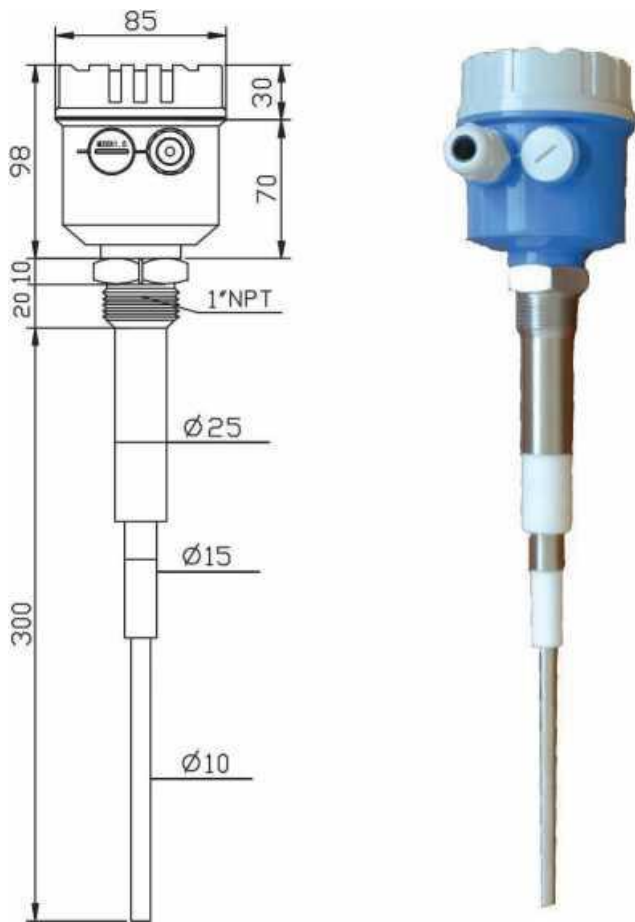


# RF Admittance Level Switch

## > Product Introduction

WP2000 radio frequency admittance level switch is a replacement product of capacitive level switch, which solves the problem of material adhesion and has higher system stability than other similar products. It works even under extremely harsh field conditions. It is seldom affected by changes in hanging materials, temperature, pressure, material density, humidity, or even material chemical properties.



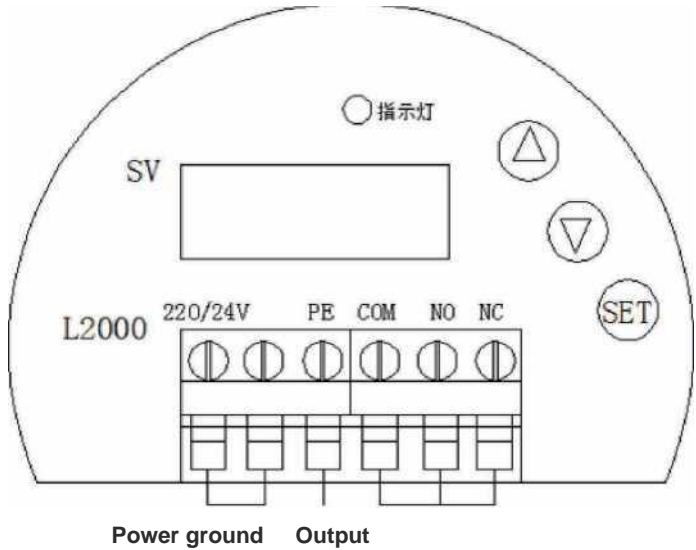
## Features

1. Strong versatility: widely used in the detection of various materials. Fly ash, particles, powder liquid, viscous, conductive and non-conductive materials can be measured; it can meet the measurement requirements under different temperatures and pressures, the highest temperature can reach 800P, and the highest pressure can reach 5MPa; it can be used for corrosion, impact and other harsh places.
2. Anti-adhesion: The unique circuit design and sensor structure make the measurement negligible for the material on the probe and automatically correct, without regular cleaning, to avoid false measurement and false signals. (anti-hanging material)
3. Maintenance-free: There are no moving parts in the measurement process, no damage to mechanical parts, and no maintenance
4. Anti-interference: contact measurement, strong anti-interference ability, can overcome the influence of steam, foam, stirring, on the measurement.
5. Power-off protection: normally open or normally closed (can be switched on site).
6. Accurate and reliable: the measurement is diversified, which makes the measurement more accurate, and the measurement is not affected by environmental changes, with high stability and long service life.

## Technical Parameters

1. Relay capacity: SPDT rated 10A, 115VAC, or 5A, 220VAC
2. Delay: 0~30" seconds continuously adjustable
3. Power supply: 220VAC or 24VDC
4. Sensitivity: 0.5pF
5. Material temperature: -184P to 380P
6. Circuit temperature resistance: -40P to 80°C
7. Power failure protection: high and low mode, adjustable on site
8. Shell: IP65, heavy-duty cast aluminum shell

## Wiring Diagram



Debugging method: adjust when the probe does not touch the material, pay attention to safety!

1. F fine adjustment does not move in the center, C coarse adjustment clockwise until the light is "green" and then counterclockwise until the light just "turns from green to red";;
2. C coarse adjustment does not move, F fine adjustment clockwise until the light just "turns from red to green", then counterclockwise until the light just "turns from green to red", and then continue to adjust 0.2 to 2 steps counterclockwise. (according to material characteristics);

## Selection Guide

Model	WP2000		
	11: Standard type 12: Flat type		
	Connection		
	F	Flanged connection	
	S	Threaded connection	
	T	Clamp connection	
	Power		
	A	220VAC	
	B	24VDC	
	Wetted material		
	4	304SUS	
	6	316SUS	
	L	316LSUS	
	T	PTFE	
	Operating temperature		
	N	80 °C	
	T	200 °C	
	S	400-800 °C	
	Probe length		
		mm	