

AHHLT01

Radio Frequency Capacitance Type Level Transmitter

This transmitter is made according to capacitance induction principle. It can convert height change of level into standard current signals, remote transmitting them to operation & control room for second meter or computer to conduct centralization of indication, alarm and automatic control. Its good structure and mounting can be fit for high temperature, high pressure, strong corrosion, crystallization, blockage proof, cold junction proof, solid powder and grainy material. They are widely used in power, metallurgy, chemical industry, food, pharmaceutical, sewage disposition, boiler drum and coal.



FEATURES

1. Measurement of level of medium with corrosion
2. Measurement of level of medium with high temperature
3. Measurement of level of sealed container
4. Without relevance to viscosity, density and working pressure
5. Measurement of conductive medium
6. Convenient mounting



MAIN TECHNICAL TARGETS

1. Measuring Range : 0-0.2 ~ 20m
2. Accuracy : 0.5 % F S
3. Output : 4~20 mA DC
4. Load Resistance: 0 ~500 Ohm
5. Zero Adjustable Range : $\geq 30\%$ FS
6. Span Adjustable Range : $\geq 40\%$ FS
7. Ambient Temperature : -20C ~ + 70 C
8. Power Supply : 24 V DC
9. Measuring Medium: acid, alkali and water with conductivity not less than 10-3s/m.
10. Medium Temperature : -50C~ + 240 C
11. Allowed Container Pressure : -0.1Mpa ~ 32Mpa

SELECTION GUIDE

- ## MODEL

Code	Name						
AHHLT01	Radio Frequency Capacitance Level Transmitter						
AHHLT03	Radio Frequency Capacitance Material Level Transmitter						
	Code	Medium					
	F	Corrosive Medium					
	N	Non Corrosive Medium					
		Code	Medium Temperature				
		T	High Temperature (100 ~ 240℃)				
		L	Normal Temperature				
			Code	Measurement			
			P	Cable Type Measurement			
			B	Pole Type Measurement			
				Code	Mounting		
				1	M20 × 1.5 mounting thread		
				2	M27 × 2		
				3	Flange Mounting		
				4	Special Mounting		
					Code	Indicator	
					M0	without Pointer	
					M1	Pointer Indicator (percentage)	
					M2	Digital Indicator (LCD)	
						Code	Explosion Proof
						D	Explosion Isolation
						I	Intrinsically Safe
							Measuring Range instructed by User
AHHLT01	N	L	P	1	M1	I	0-5 m