

### Product overview

The LCT liquid level transmitter is a radio frequency induction type liquid level instrument manufactured by development after our company introduces the technology of similar products abroad. It can convert the changes of various level parameters into standard current signals and carry out remote transmission of them to the operation control room for centralized display, alarm or automatic control of secondary instrument or computer. It's of good structure and installation way and can apply to the liquid level under special conditions (such as high temperature, high pressure, strong corrosion, easy crystallization, clogging resistance, cold condensation resistance, solid powder and granular material) and continuous detection of material level and be widely used for test and control in various industrial processes.

### Product features



- Probe diameter:  $\phi 8\text{mm}$ ,  $\phi 10\text{mm}$ ,  $\phi 16\text{mm}$  and  $\phi 22\text{mm}$
- Operating temperature: Rod type:  $-70^{\circ}\text{C}\sim 450^{\circ}\text{C}$ ;
- Output signal: 4-20mA DC and 4-20mA overlaid HART protocol;
- Probe material: PTFE, corundum;
- Wet receiving material: Stainless steel;
- Stability:  $\leq 0.2\%\text{FS}/\text{year}$ ;
- High precision and strong general performance.
- Strong practicability, key setting, one-key calibration, calibration by any two points and extremely simple operation.
- The digital software filtering technology is used without influence of air flow and liquid level, and the fast tracking of transient changes and displaying the average effect of liquid level can be achieved with stable and accurate display.
- Measuring range: Random selection and use within the scope of 300-5000mm,  $-0.1\text{MPa}\sim 4.0\text{MPa}$ ;
- The normal working can be realized under the voltage of 18-28V with safety barrier of any model met.
- The soft/hard anti-interference and error correction technology are used, and no isolation, but direct accessing to network is adopted in the non-explosion proof place, lowering the circuit complexity and lowering the cost.
- Applicable medium: Any medium without no corrosion to polytetrafluoroethylene (such as liquid ammonia, compressed gas, methyl alcohol, copper liquid, propylene carbonate and doctor solution)

### Product model selection

LCT	Capacitance level gauge							
	Medium							
	F Corrosive medium			N Noncorrosive medium				
		Medium temperature						
		H High temperature		W Normal temperature				
			Measurement form					
			P Cable type measuring			B Lever measurement		
			Precision					
			B 0.25%F.S		C 0.5%F.S			
			Installing form					
			1 M20×1.5 mounting thread		2 M27×2 mounting thread		3 Flange installation	
			4 Special installation (given by the user)					
			Gauge head form					
	M0 None		M1 Pointer table head		M2 Numeration table head			
		Explosion-proof way						
D Intrinsic safety explosion proofing			E Isolation explosion proofing					
							Liquid level range	
							*** (1000 indicates liquid level range: 1000mm)	
LCT-								