

ZNC-YW1000 Magnetostrictive Level Meter



I. Product Introduction :

Magnetostrictive level sensor is a new generation of high-precision liquid level measurement sensor developed by using magnetostrictive principle. It has the features of high precision, high reliability, long life, high stability, compact structure, strong environmental adaptability, easy installation and so on. Compared with other principle liquid level sensors, it has obvious advantages. It can be widely used in petroleum, chemical, pharmaceutical, food and other tanks, pools, tanks, liquid level monitoring, measurement and control.

II. Product features:

1. Advanced principle, many functions, wide range of applications;
2. High precision, high stability, high reliability, high resolution;
3. Compact structure, strong environmental adaptability, anti-fouling, dustproof, waterproof (IP66);
4. No need for regular re-labelling and maintenance;
5. Wide range of power supply voltage adaptation, strong anti-interference ability;
6. Protection against lightning strikes and radio frequency interference.

III. Applicable medium:

Magnetostrictive level meter for petroleum, chemical raw material storage, industrial processes, biochemical, pharmaceutical, food and beverage, tank management and petrol station underground inventory and other kinds of liquid tanks level industrial

measurement and control, dam level, reservoir level monitoring and sewage treatment and so on.

IV. Technical Parameters

Measurement range	hardcore 150-6000mm flexible cable 150-30000mm
Output form	4-20mA, 485 protocol, hart protocol
Repetitive	$\leq 0.05\%FS$
Response time	< 1 秒
Medium temperature	-40°C to 110°C (standard); high temperature optional (-40 to 250°C)
Environmental temperature	-40°C~70°C
Mounting Threads	3/4NPT (standard) flanges or user-specific customization
Load capacity	$\leq 500\Omega$
Accuracy Class	$\leq 0.2\%$

V. Instrument Selection

Type										Explanation
ZNC-YW1000-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Output form	A									①4-20mA ②双 4-20mA
	B									①0-10V ②0-5V
	C									RS485 protocol (no display)
	D									4-20mA Hart protocol
surveyor's rod state		1								rigid stylus
		2								Flexible Stem
Temperature output (RS485)			1							Yes
			2							No
Measurement type				A						standard type
				B						High Temperature
				C						Anti-corrosion type
				D						Special Customization
Number of Floats					1					Single float
					2					Double float
on-site display						1				Yes
						2				No
Installation form							1			3/4NPT
							2			flange connection
							N			Customization
Flameproof								E		Yes
								Z		No
Lengths									L	mm