



KYB19 Series Submersible Level Transmitters

Description

KYB19 series use famous brands of high accuracy and high stability pressure sensor, amplified by high reliability circuit to convert the measured liquid level signal into a standard electrical output. High-quality sensors, superb packaging technology and advanced assembly process ensure product directly into the liquid level for measurement

Applications

City District Water Supply System

Ships and port facilities supporting

Water Conservancy hydrological measurement and monitoring

Recycled water and sewage treatment systems

Open tank level measurement and control of industrial site

Features

- ◆ Wide range, high accuracy
- ◆ Superior waterproof, moisture-proof, anti-condensation proper
- ◆ Intrinsically safe, wide application
- ◆ Intelligent series, with Hart protocol
- ◆ High accuracy, easy debugging
- ◆ Customized matching available



Cable Type (Integrated)



Armored Type (Split)



Specifications

Parameter	Value
Measure Media	Cable type: clean water, non-corrosive liquids
	Armored type: liquids compatible with 304 stainless steel
Pressure Range	0 ~ 170 m (minimum range of 0 ~ 0.5m)
Error in normal temperature	$\pm 0.25\%FS, \pm 0.5\%FS, \pm 1.0\%FS$
	Intelligent: $\pm 0.1\%FS, \pm 0.25\%FS, \pm 0.5\%FS$
Supply Voltage	14~36VDC, Standard: 24VDC $\pm 5\%$, Ripple < 1%
	Intelligent: 12~36VDC
	With display meter, minimum: 17VDC)
Output	4 ~20mA
	Intelligent: both 4-20mA and digital signal compatible with Hart protocol
Electrical connection	Integrated type: M16 x1.5 internal thread sealing joints
	Split type: M20 x1.5 internal thread sealing joints
Cable protection tube	Cable Type: Double wearable waterproof air guide cables
	Armored type: $\Phi 6$ armored outer diameter stainless steel tube
Medium Temperature	0°C ~70°C
Error in working temperature range	$\pm 0.5\%FS(\pm 0.1\%FS \text{ in normal})$; $\pm 1.5\%FS(\pm 0.25\%FS \text{ in normal})$; $\pm 3.0\%FS(\pm 0.5\%FS \text{ in normal})$; $\pm 5.0\%FS(\pm 1\%FS \text{ in normal})$;
Error in time drift	$\pm 0.25\%FS/\text{year}$ ($\pm 0.25\%FS \text{ in normal}$) ; $\pm 0.5\%FS/\text{year}$ ($\pm 0.5\%FS \text{ in normal}$) ; $\pm 1\%FS/\text{year}$ ($\pm 1\%FS \text{ in normal}$) ;
	Intelligent: $\pm 0.1\%FS \text{ in normal}$
Explosion-proof mark	Intrinsically safe meet GB3836.1 GB3836.4 standards
	Mark: ExiaIICT5 ~ T6
Ingress Protection	IP68 (sensor part), IP65 (electric circuit part)

Application Description

The series is divided into integrated and split two structures, which split has cable type and armored type. Armored type is suitable for various strong permeability organic solvents and alkaline solvents to maximum satisfy customers' demand. In addition, the series also has intrinsic safety explosion-proof performance, to meet the general requirements for explosive environments.



Ordering Information:

KYB19	Submersible Level Transmitter										
	S	Intelligent									
		Code	Range			Error in normal temperature					
	Minimum measuring range		Maximum measuring range		Standard		Intelligent				
	01		0 - 0.5m		O-1m		±1%		±0.5%		
	02		O-1m		0 - 3.5m		±0.5%		±0.25%		
	03		O - 3.5m		O-10m		±0.25%		±0.1%		
	04		O-10m		0 - 20m		±0.25%		±0.1%		
	05		0 - 20m		0 - 70m		±0.25%		±0.1%		
	06		0 - 70m		0 - 170m		±0.25%		±0.1%		
	M1		4 - 20mA								
			I	Integrated							
			F1	Split （case model I）							
			F2	Split （case model II）							
				Code	Support base form（Applies only to split products）						
				Z1	3-Φ11 Mounting holes， Mounting hole circleΦ70						
				Z2	4-Φ14 Mounting holes， Mounting hole circleΦ90						
				ZX	User defined						
					Code	Lead mode					
					C1	Armored （Maximum range 15m）					
					C2	Cable					
					B1	With analog instrumentation （Only split Products）					
					B2	With digital instrumentation （Only split Products）					
						i	Intrinsically SafeExiaIICT5				
							User calibration range				
KYB19	04	M1	F1	Z1	C2	B1	(0-15m)				

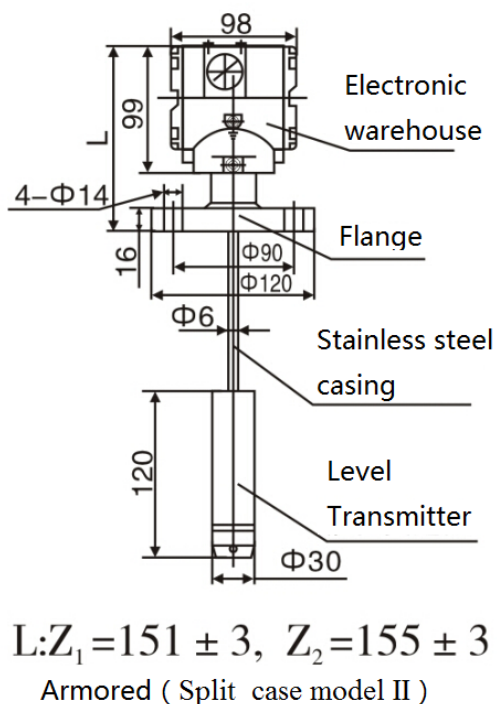
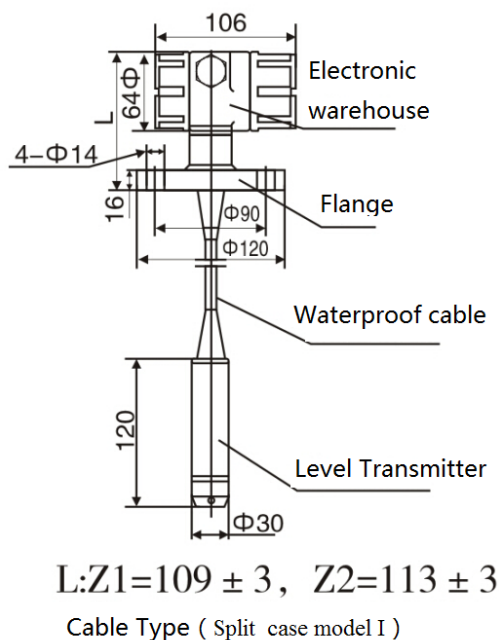
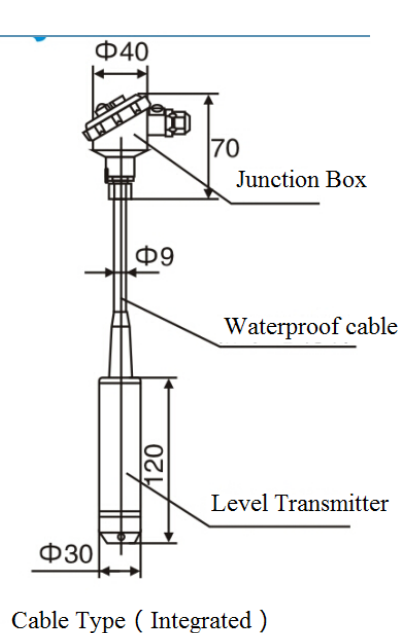
*Special Note: outdoor installation, please pay attention to the prevention of lightning.

*Split intelligent products only type II case, if necessary with a header, only the DRO.

*If the product is used in the sludge environment, the company can provide the probe attempts to prevent the bracket supporting the use.



Dimension:



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