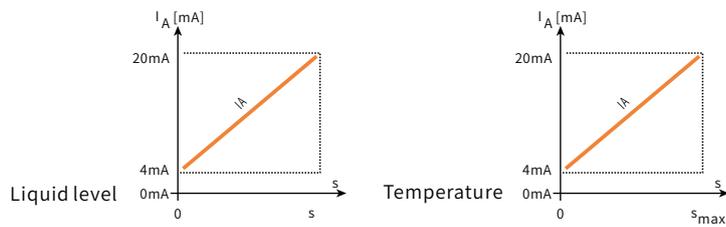




YW-Analog

YW series

Liquid level temperature sensors



- + Robust and durable, fully enclosed design, highest IP68 protection level
- + Linear measurement, absolute value output without zeroing
- + Easy to use, standard signal output, maintenance-free
- + Full scale adjustable, 100% adjustable zero and full scale
- + Highest reliability: long-term use, stable and reliable



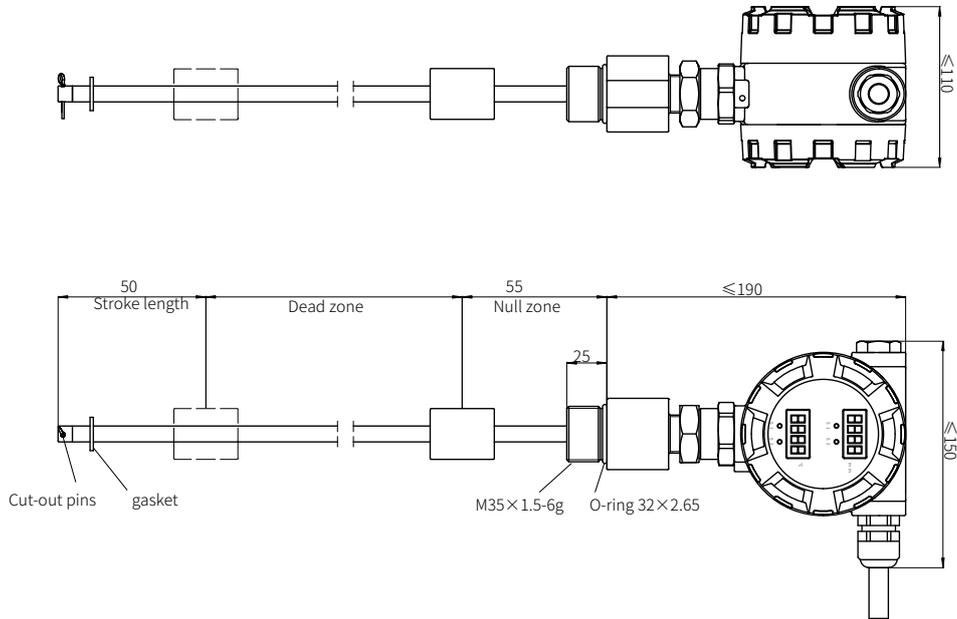
TECHNICAL PARAMETER

TECHNOLOGY PERCEIVES THE FUTURE

Input	
Measured data	liquid level, temperature
Measurement range	Liquid level: (50...4500)mm, Temperature: (-45..125)°C
Output	
Liquid level	4...20mA
Temperature	4...20mA
Resolution	
Resolution	16 bit D/A
Liquid level	±0.5% F.S .
Temperature	±1°C
Update time	1.5s
Temperature coefficient	<30ppm/°C
Mounting	
Mounting form	M35× 1.5 , M18× 1.5, Custom flanges
Design/Material	
Electronics housing	Stainless steel 304
Measuring rod	Stainless steel 304/316L
Float	304/316L/NBR
Electrical connection	
Wiring connection	Straight out cable
Operating voltage	+24VDC(-15/+20%)
Polarity protection	Up to -36VDC
Overvoltage protection	Up to +36VDC
Power consumption	≤ 50mA
Dielectric strength	500VDC (DC ground to machine ground)
Operating conditions	
Operating temperature	-45...80°C
Humidity	90 % relative humidity, no condensation
Ingress protection	IP68

YW- -SS -

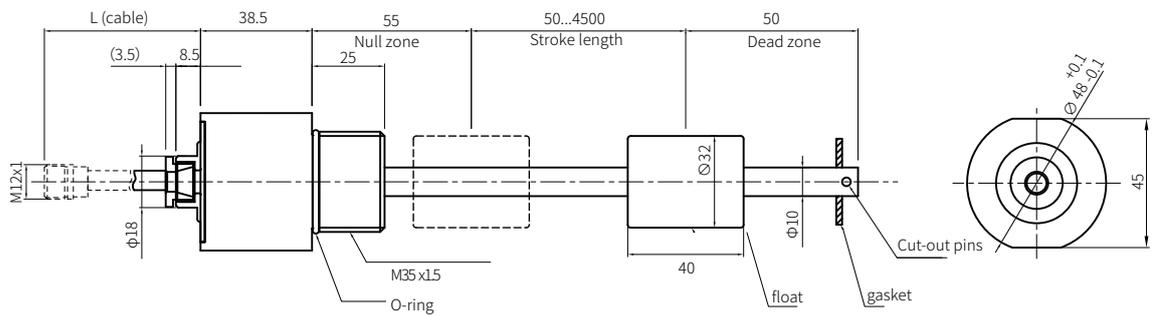
Direct line with digital display



Color	● Brown	○ White	● Yellow	● Green
Function	+24VDC(-15/+20%)	Liquid level signal 4...20mA	+24VDC(-15/+20%)	Temperature signal 4...20mA

YW- -DP -
YW- -RP -

5 pin M12 connector/Straight out cable



PIN	1	● 2 Brown	○ 3 White	● 4 Yellow	● 5 Green
Function	NC	+24VDC(-15/+20%)	Liquid level signal 4...20mA	+24VDC(-15/+20%)	Temperature signal 4...20mA

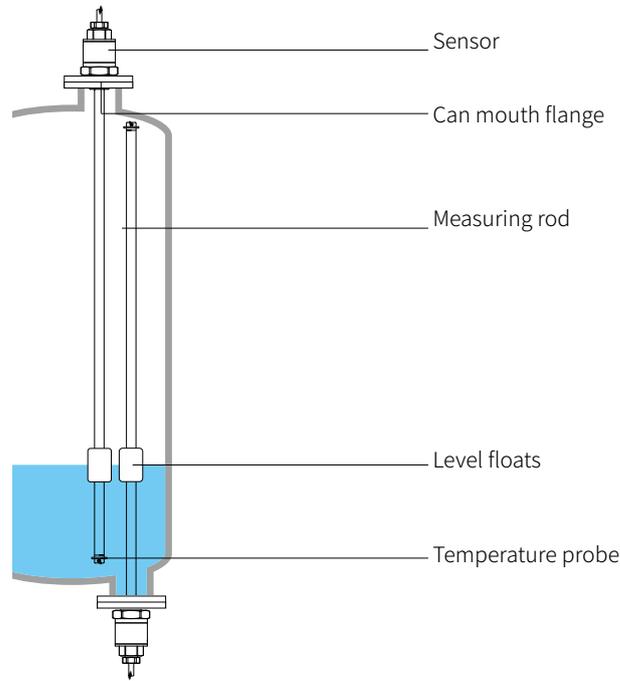


MECHANICAL MOUNTING DIAGRAM

TECHNOLOGY PERCEIVES THE FUTURE

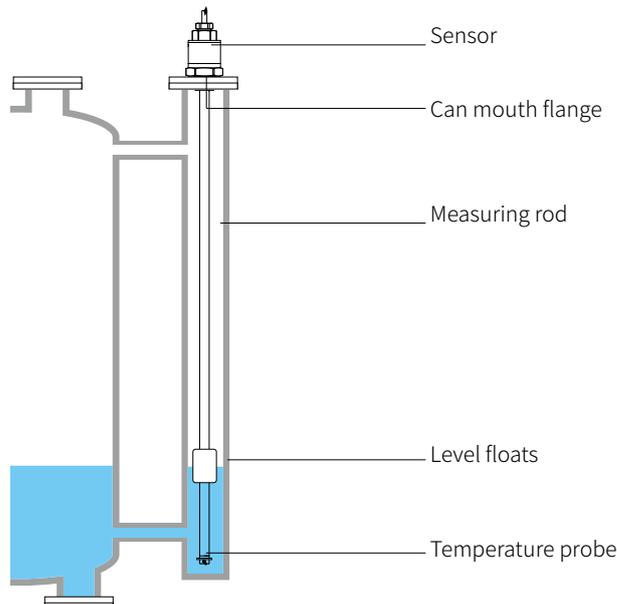
Threaded, flanged mounting

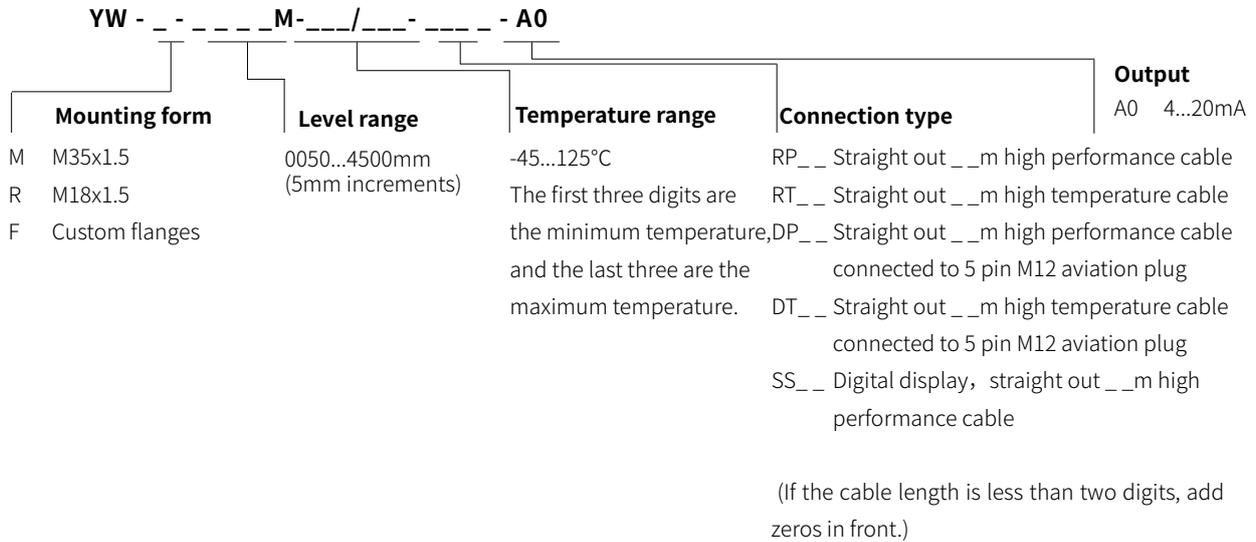
Most tanks are suitable for this type of measurement, and the connecting flange or user-specific sub-flange can be selected, and the level sensor mounting thread is screwed directly into the flange. As shown, the product is mounted vertically with the float "on" marked upwards.



Bypass tube installation

The bypass pipe installation is suitable for occasions where the liquid in the tank is stirred vigorously or the liquid temperature is high, such as in the chemical industry.



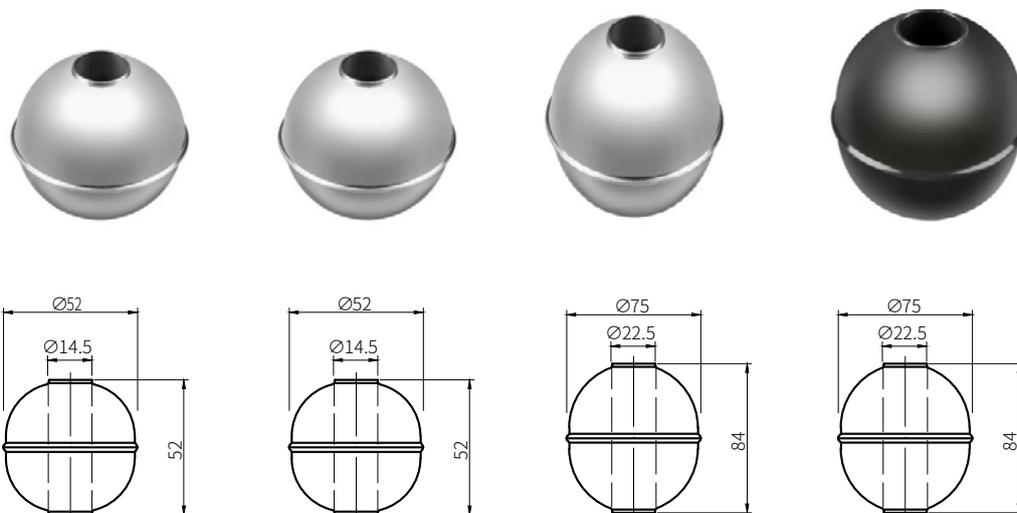


Model selection | Model: YW-M-0500M-000/125-RP05-A0

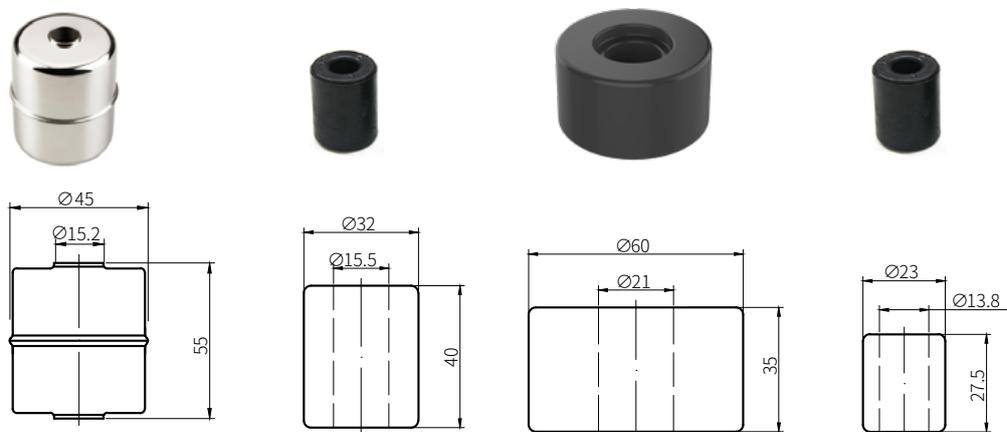
Explanation: YW series liquid level temperature sensor, M35x1.5 threaded mounting, liquid level range 500mm, temperature range 0... 125° C, cable length 5 meters, liquid level signal 4... 20mA, temperature signal 4... 20mA.

PARTS SELECTION

TECHNOLOGY PERCEIVES THE FUTURE



Name	Float	Float	Float	Float
Density	0.92g/cm ³	0.66g/cm ³	0.92g/cm ³	0.66g/cm ³
Material	316L	316L	316L	316L Surface coated with PTFE
Pressure resistance	3.4MPa	3.4MPa	3.4MPa	3.4MPa
Operating temperature	-40...105°C			
Order code	11-1050	11-1051	11-1048	11-1049



Name	Float	Float	Float	Float
Density	0.53g/cm ³	0.44g/cm ³	0.5g/cm ³	0.71g/cm ³
Material	316L	NBR	NBR	NBR
Operating temperature	-40...105°C			
Order code	11-1052	11-1053	11-1054	11-1056

Building 6, Dazu Enterprise Bay, 8th yard of Liangshuihe 2nd street, BDA Beijing P.R.China

Tel: +86 10-67948976 67948916
 Fax: +86 10-67948979
 Technical support: +86 (0)13370126657
 Mailbox: sale@tbfsensor.com

Beijing Tebeifu Electronic Technology Co., Ltd.

www.tbfsensor.com