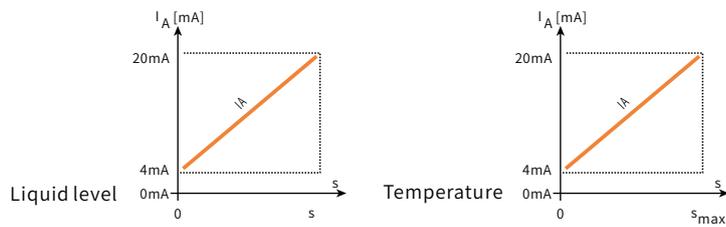




## GWY-Analog

GWY

Explosion-proof liquid level temperature sensor



- + 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
- + PT100-A platinum resistors are used



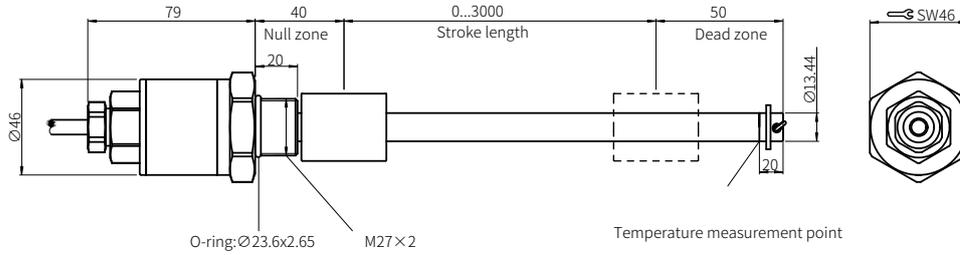
## TECHNICAL PARAMETER

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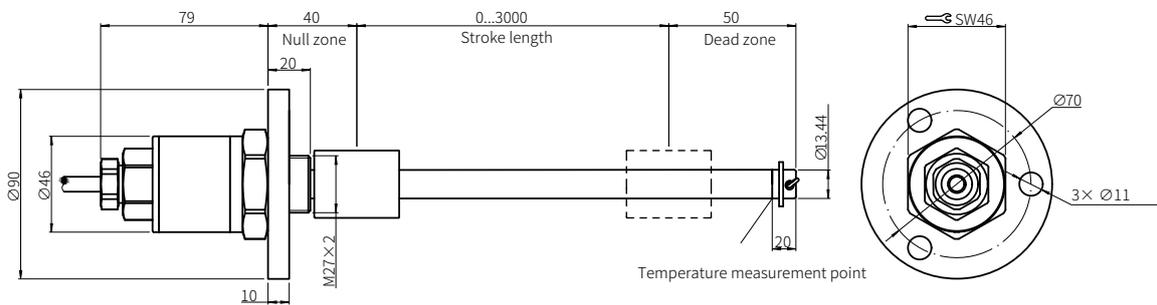
<b>Input</b>	
Measured data	liquid level, temperature
Measurement range	Liquid level: (50...3000)mm, Temperature: (-45..130)°C
<b>Output</b>	
Liquid level	4...20mA
Temperature	4...20mA
<b>Resolution</b>	
Resolution	16 bit D/A
Liquid level	±0.5% F.S.
Temperature	±1°C
Update time	1.5s
Temperature coefficient	<30ppm/°C
<b>Mounting</b>	
Mounting form	M27× 1.5 , M27× 2, M35× 1.5, Custom flanges
<b>Design/Material</b>	
Electronics housing	Stainless steel 304
Measuring rod	Stainless steel 304/316L
Float	304/316L/NBR
<b>Electrical connection</b>	
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)
<b>Operating conditions</b>	
Operating temperature	-45...80°C
Humidity	90 % relative humidity, no condensation
Ingress protection	IP68 ( customizable)
Explosion-proof mark	Ex db II CT5Gb

GWY - - - - M- / - - - -

**Threaded mounting**



**Flange mounting**



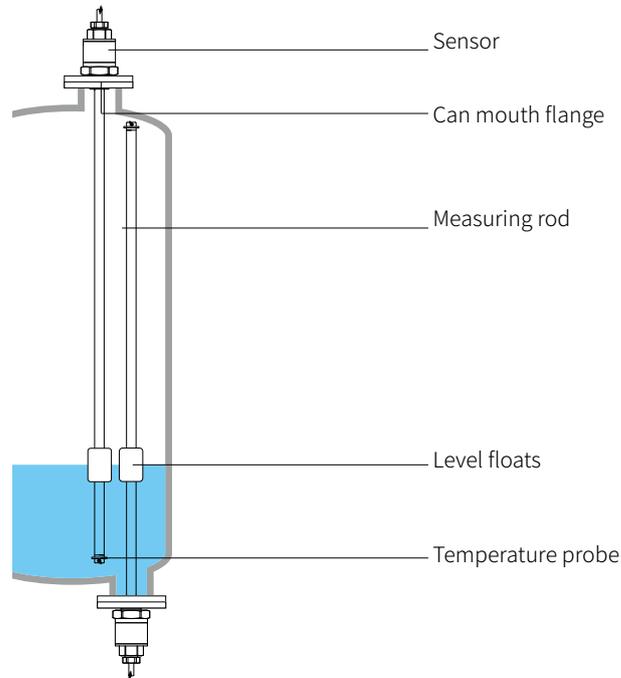
Color	● Brown	○ White	● Yellow	● Green
Function	+24VDC(-15/+20%)	Liquid level signal 4...20mA	+24VDC(-15/+20%)	Temperature signal 4...20mA

# MECHANICAL MOUNTING DIAGRAM

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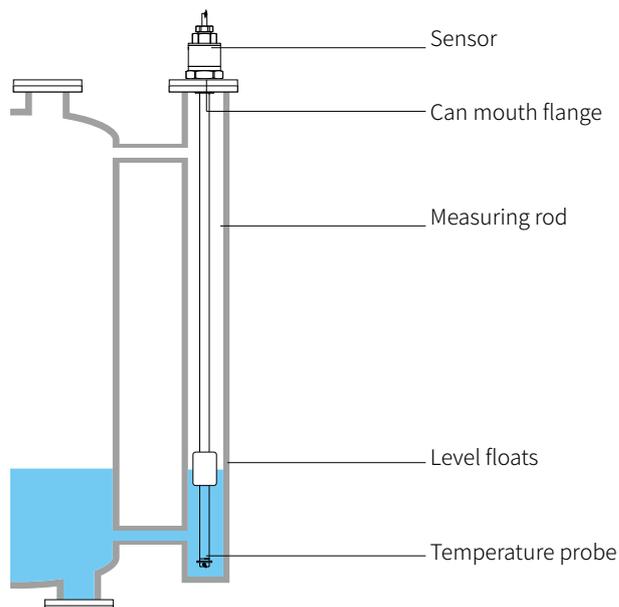
## Threaded, flanged mounting

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.



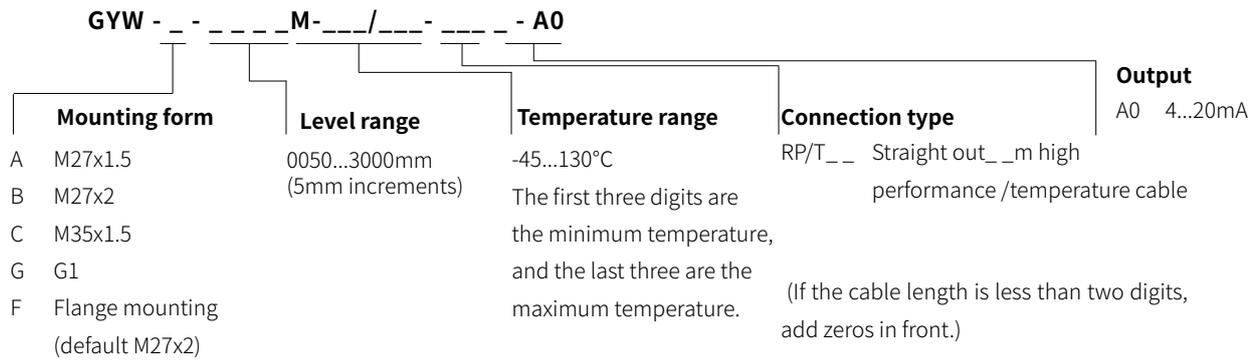
## Bypass tube installation

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.



**ORDER CODE**

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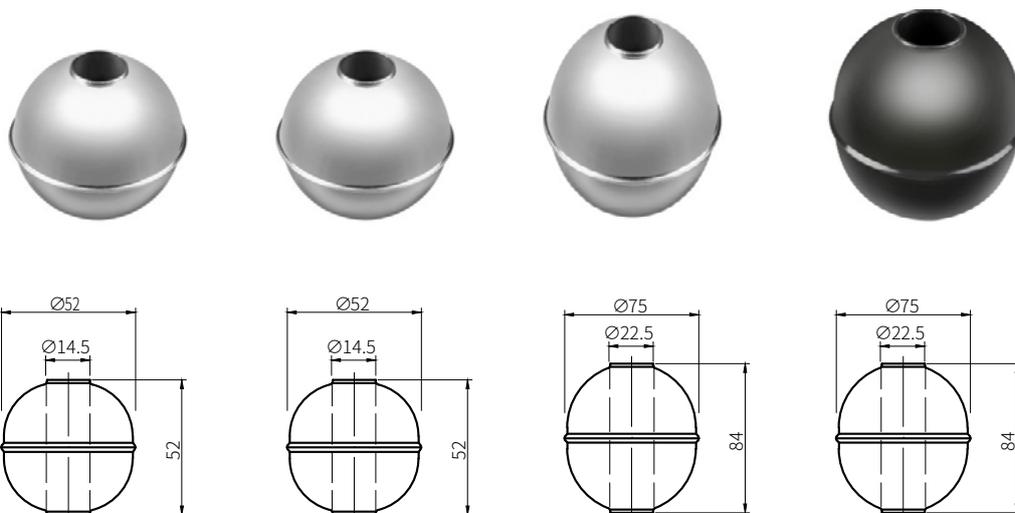


**Model selection** | Model: GWY-A-0500M-000/130-RP05-A0

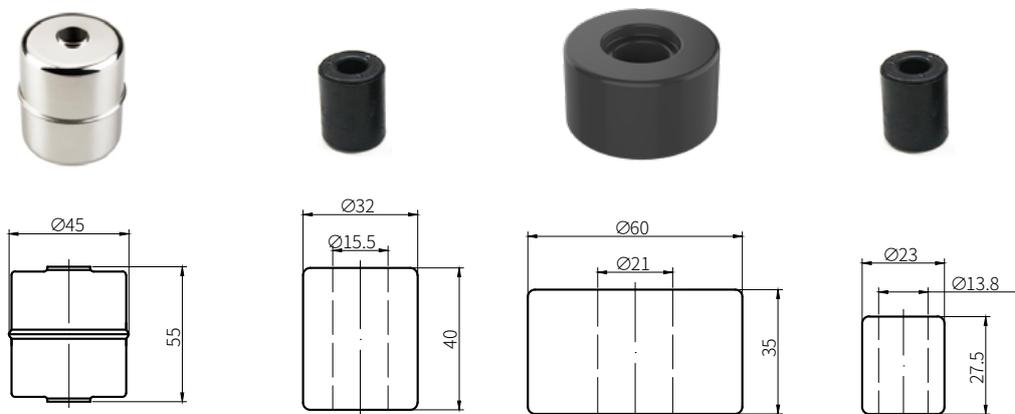
Explanation: GWY series liquid level temperature sensor, M27x1.5 threaded mounting, liquid level range 500mm, temperature range 0... 130° C, cable length 5 meters, liquid level signal 4... 20mA, temperature signal 4... 20mA.

**PARTS SELECTION**

TECHNOLOGY PERCEIVES THE FUTURE



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



Name	Float	Float	Float	Float
Density	0.53g/cm <sup>3</sup>	0.44g/cm <sup>3</sup>	0.5g/cm <sup>3</sup>	0.71g/cm <sup>3</sup>
Material	316L	NBR	NBR	NBR
Pressure resistance	3.4MPa	/	/	/
Operating temperature	-40...105°C			
<b>Order code</b>	<b>11-1052</b>	<b>11-1053</b>	<b>11-1054</b>	<b>11-1056</b>

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