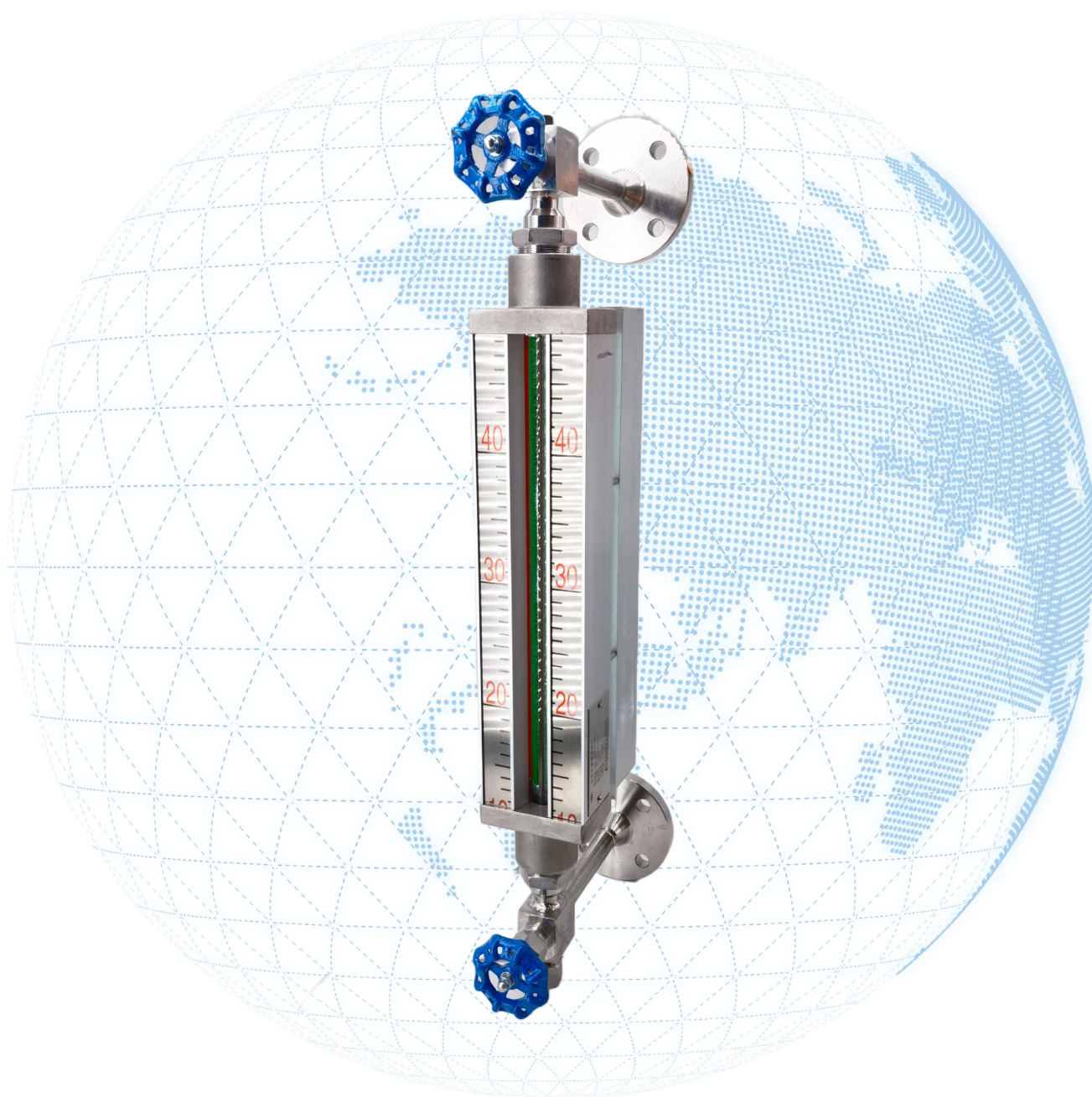




# Product Manual

## Bicolour quartz tube level gauge



## Working Principle:

UGS quartz tube level gauge is consist of high purity quartz glass tube, meter shell and. explosion-proof valve, with red displaying height of liquid and green for height of vapor phases. The advantages are clearing reading, observation direction adjustable, simple structure, reliable work, and night view with light source etc. It is easy cleaning and maintenance. Once quartz tube happened to explosion, steel ball in the valve can automatically block fluid channel to reduce or avoid accidents.

## Features:

1. Clear indication, good sealing

2. High working temperature: up to +450℃

It can match the LED light, strength the visible performance

3. High working pressure: up to PN100

4. Long lifetime, simple structure, easy cleaning and maintenance

5. There are two steel ball in the valve at the both sides. When quartz tube happened to explosion, Steel balls can automatically block channel to avoid liquid flow away if the pressure difference between inside and outside is above 0.3Mpa.

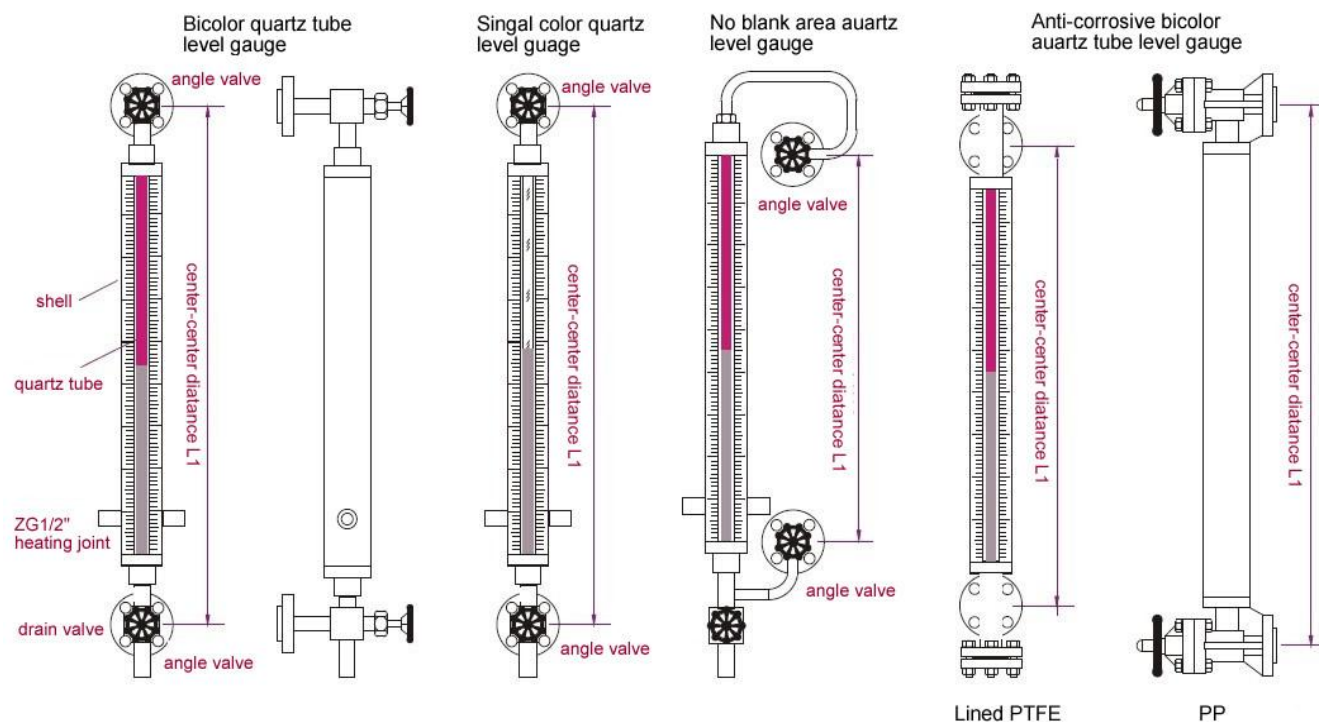
## Technical parameters:

Recommended C-C distance:	300, 500, 800, 1100, 1400, 1700, 2000mm(For other length can be customized)
Indicate mode:	Single color, bi-color (red as vapor phases, green as liquid)
Material:	304, 316L, 1Cr18Ni9Ti, 0Cr18Ni9, 304 with PTFE lining
Nominal pressure:	PN6-PN100( $\times 0.1$ MPa) 304 +PTFE $\leq$ PN40 PP $\leq$ PN16
Working temperature:	Stainless steel $\leq 450^{\circ}\text{C}$ 304+PTFE $\leq 150^{\circ}\text{C}$ PP $\leq 100^{\circ}\text{C}$
Drain valve:	drain plug / valve (or customize)
Vent valve:	vent plug / valve (or customize)

Process flange:	DN20/RF HG/T 20592-09 (or customize)
The heat steam interface:	ZG1/2 " External thread
Tracing steam pressure:	Up to 1.0Mpa
Steel ball self-closing pressure:	≥0.3MPa
Light:	LED(standard: 24VDC), 90~250VAC
Environment temperature:	-40~+60℃

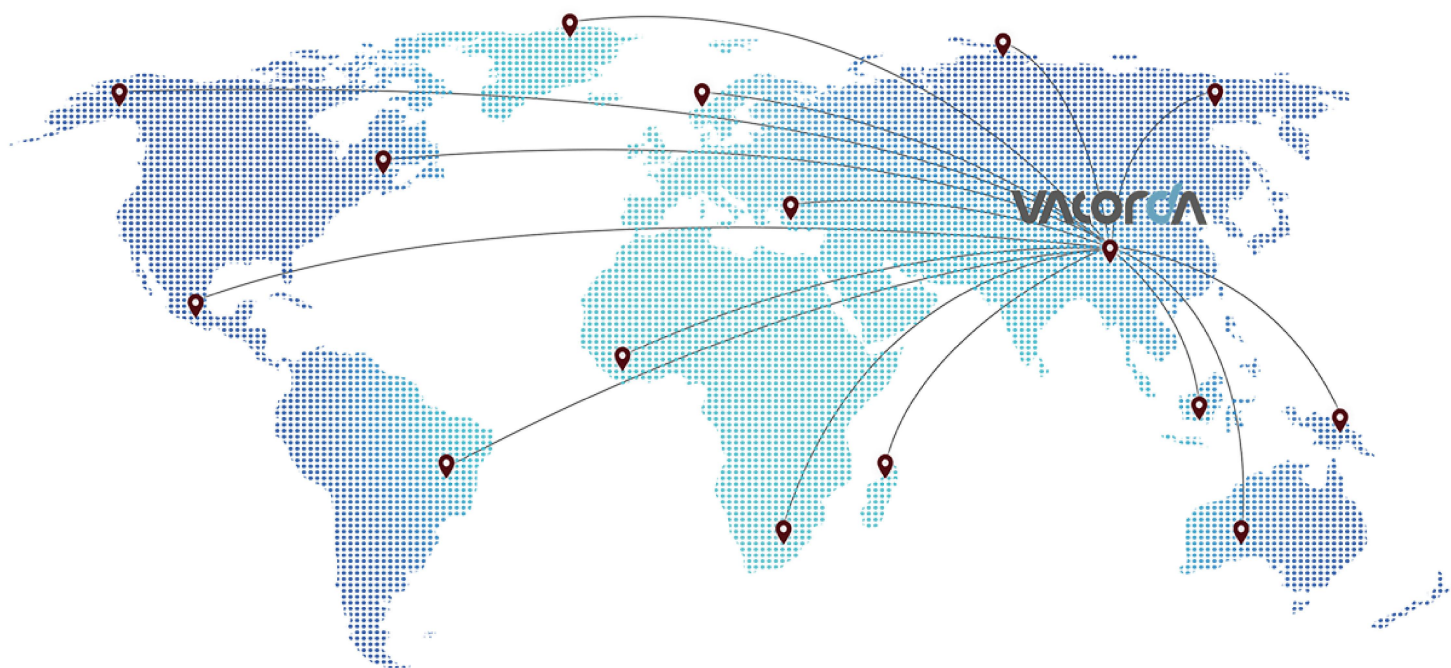
## Structure:

1. Single color quartz tube level gauge
2. Bi-color quartz tube level gauge
3. Non-blind area bi-color quartz tube level gauge
4. Anticorrosive bicolor quartz tube level gauge (PP, PTFE lining)



**How to order:**

1. Structure							
A	B		C	D		F	
Bicolor	Bicolor no blind area		Signal color	Signal color no blind area		Anti-corrosive bicolor	
2. Flange size							
Just directly write the pressure value eg. 50for DN50(2"), 100 for DN100(4")							
3. Nominal pressure of flange (x0.1MPa)							
Z	A	B	C	D	E	F	G
2.5	6	10	16	25	40	64	100
4. Operating temperature							
L: ≤100℃		H: ≤150℃		J: ≤250℃		K: ≤450℃	
5. Body material							
P1		P2		X			
SS304		SS316L		Customization			
6. C-C distance							
Directly write the distance L, unit:mm							
7. LED light source (Option)							
N-Without		D1-24VDC		D2-220VAC			
8. Heating							
N-Without				R:stream heating			
9. Drain connection							
N-Without		P-Plug		V Valve			
UGS-1 2 3 4 5 6 7 / 8 / 9							



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