

ULB Series Glass Plate Liquid Level Gauge
ULB- S Double Color Glass Plate Liquid Level Gauge

Summary

ULB-S double color glass plate liquid level Gauge can supersede ULB ordinary type glass plate liquid level Gauge. It adopts flanges connection and can be applied to measure liquid level in pressured or open container in various industrial fields. It is applicable for liquid level measurement for water, liquid ammonia, light oil, liquid gas, etc.

Structure principle

ULB-S series double color glass plate liquid level Gauge applies double color principle that when light goes through different mediums, it produce different reflection and reflection. Via using color filter, the light in different mediums presents different color. Through the glass plate, when there is liquid inside, the color is green, while there is gas, the color is red. So, the Gauge has two colors exhibition and the interface of the liquid and gas is very clear.



Main technical parameter

Measuring range (the distance between the flanges' center L): 500, 800, 1100, 1400, 1700mm;

Visual range: $H=L-260$;

Nominal pressure: $\leq 4.0\text{MPa}$;

Operating temperature: $0^{\circ}\text{C} - 250^{\circ}\text{C}$;

Pressure for needle valve to automatically close: $\geq 0.3\text{MPa}$;

Tracing (heating) steam pressure: $\leq 0.6\text{MPa}$;

Tracing steam jacket joint: ZG3/8"(external thread);

Connecting flange: HG5016-58, DN20 raised face flange

HG5010-58, DN20 plain flange

JB/T82.1-94, DN20 plain flange

JB/T82.2-94, DN20 raised face flange;

Flush and drain outlet: M12*1.25 (03 TYPE) female thread

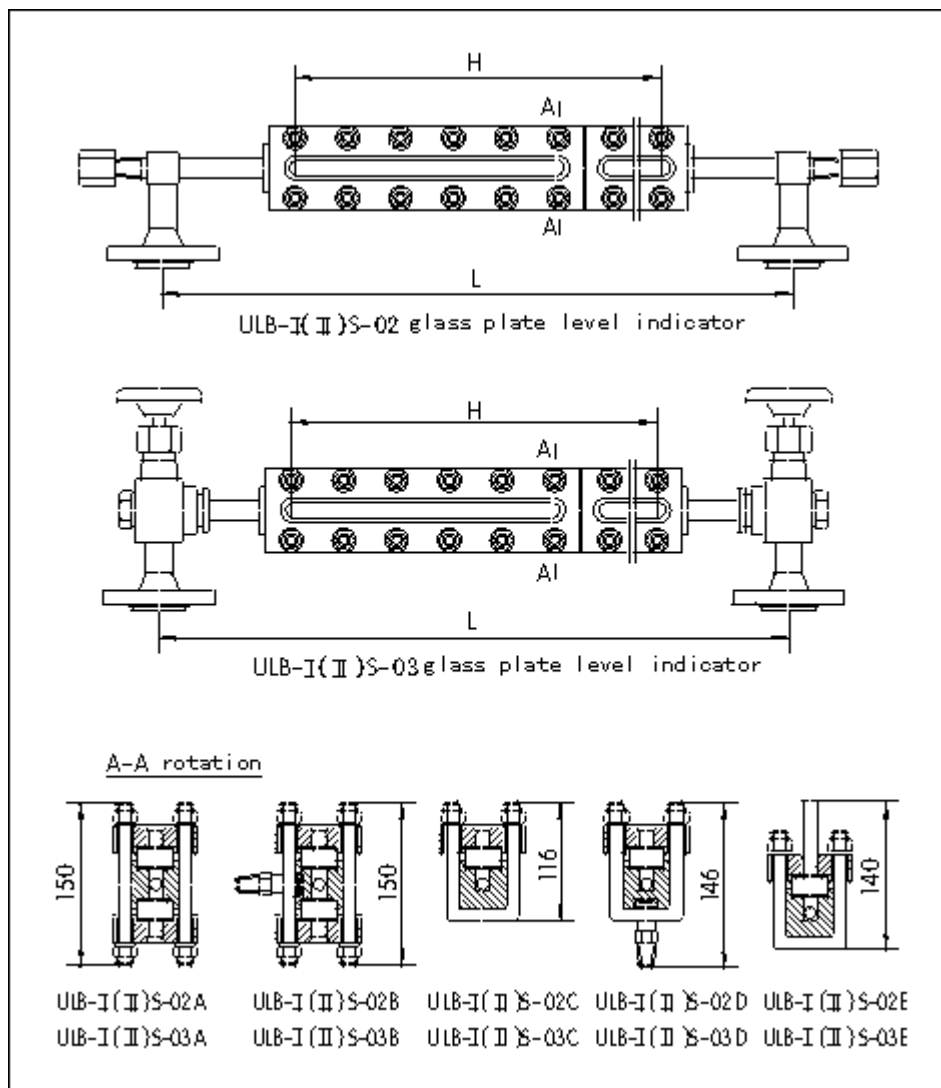
ZG1/2" (02 type) external thread

Liquid contacting material: Carbon steel or 1Cr18Ni9Ti;

Specification

Model	Name	Application	Color (L: liquid, A: gas)
ULB- S-02A	Double colors transparent glass plate	Colorless transparent liquid and preferable light field	L: green; A: red
ULB- S-03A	level Gauge		
ULB- S-02A	Double colors transparent glass plate	Colored liquid and in luminous place	L: black; A: red
ULB- S-03A	level Gauge		
ULB- S-02B	Double colors transparent glass plate	sticky, easily to be frozen medium, colorless and transparent	L: green; A: red
ULB- S-03B	level Gauge with tracing steam		
ULB- S-02B	Double colors transparent glass plate	sticky, easily to be frozen medium, colored	L: black; A: red
ULB- S-03B	level Gauge with tracing steam		
ULB- S-02C	Double colors reflection glass plate	Colored liquid and in luminous	L: black; A: red
ULB- S-03C	level Gauge		
ULB- S-02D	Double colors reflection glass plate	Sticky, easily to be frozen medium, colored	L: black; A: red
ULB- S-03D	level Gauge with tracing steam		
ULB- S-02E	Double colors frost-proof glass plate	Low temperature medium	L: black, A: red
ULB- S-03E	level Gauge		

Outline sketch and installation dimensions



Outline and structure sketch of ULB-S double color glass plate liquid level Gauge

Note: the Gauge without needle valves is 02 type, the Gauge with needle valves is 03 type. For ULB-I S type Gauge, liquid presents green, while gas presents red. For ULB- S type Gauge, liquid presents black, while gas presents red.

Application notice

When the bolts loosening appears during the process of transportation, all the bolts should be tightened according to actual situation.

When checking or installing the glass plates, bolts should be tightened in order and cross way. Exerting force evenly.

When glass plates are needed to be changed, sealing plates should be changed together.

Order notice

Model and specs:

Measuring range:

Operating pressure:

Operating temperature:

Flange standard:

Specially required liquid contacting material brand:

Other requirements: