

ULG-S Double Color Quartz Glass Tube Liquid Level Gauge

Summary

The difference comparing ULG-S double color quartz glass tube liquid level Gauge with common glass tube liquid level Gauge is for ULG-S adopting light refraction and reflection principle. The glass tube part presents green when there is liquid in it, while it presents red when there is no liquid in it. High temperature and high pressure quartz glass tube is used in the Gauge so that they can be applied to high temperature, high pressure occasion.

Structure Principle

ULG-S double color quartz glass tube liquid level Gauge is classified into top mounting type and side mounting type. For the top mounting type, the float ball is the measuring element. Through the connecting rod, liquid level change can be transmitted to the Gauge in the quartz glass tube. So, this kind of Gauge is suitable for the level measurement for underground storage tanks. For the glass tube Gauge being used for measuring interface level, the float is the measuring element that can show the liquid level or interface level.

Main Technical Parameters

Measuring range (the distance between the flanges' center L): 500,600, 800, 1100, 1400, 1700, 2000mm (other measuring ranges are available on request);

Visual range: for type S1 and type S2, H=L-300; for type S3, H=L;

Nominal pressure: 6.3MPa;

Operating temperature for liquid level: -50-450° C;

Operating temperature for interface level: -50 - 100° C

Pressure for needle valve to automatically close: 0.3 MPa;

Tracing (heating) steam pressure: 0.6MPa;

Tracing steam jacket joint: ZG1/2"(external thread);

Connecting flange: On request

Nominal diameter: DN20; DN150 (top mounting type)

Flushing and draining outlet: M12*1.5, female thread

Wetted material: carbon steel or 1Cr18Ni9Ti

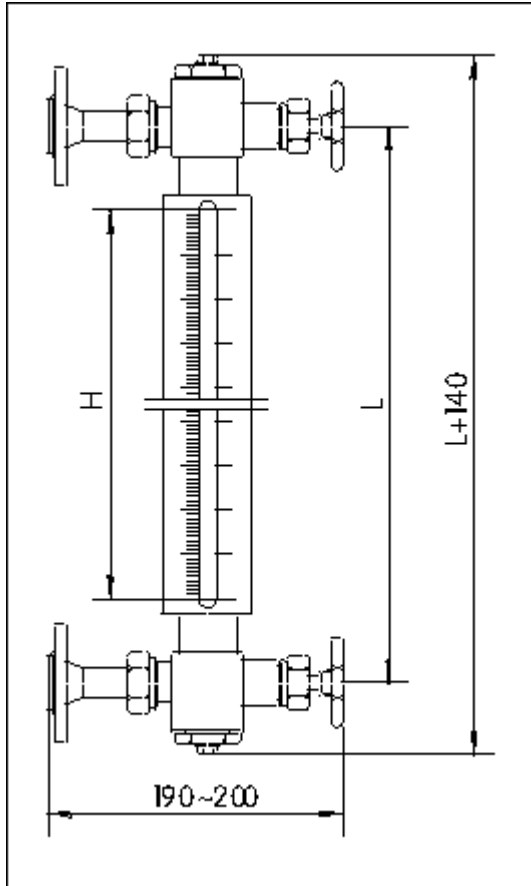


Model Selection Table

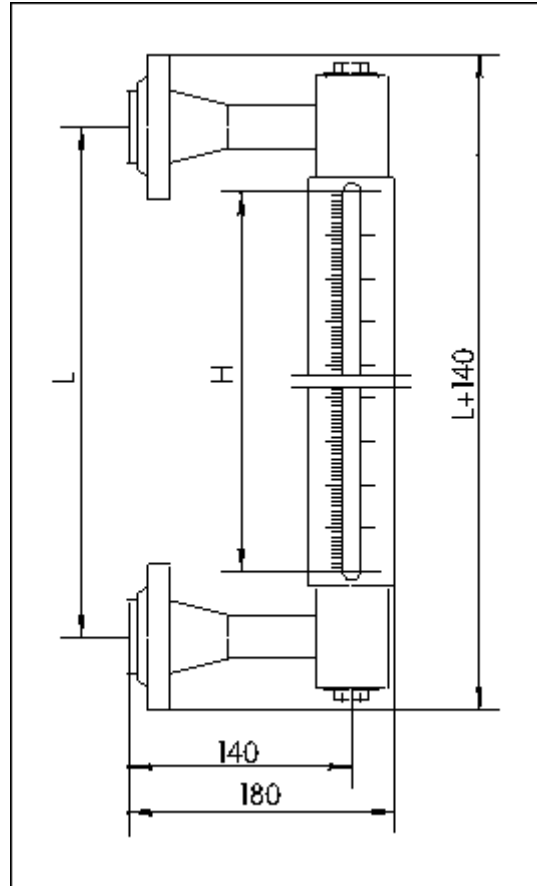
Model	Code		Code meaning
ULG-S			Double colors quartz glass tube level Gauge
	1		Side-mounted with valves
	2		Side-mounted without valves
	3		Top-mounted
		C	Wetted Material: carbon steel
		P	Wetted material: 1Cr18Ni9Ti
		W	With tracing steam
		D	Without tracing steam
		Y	Measuring level
		J	Measuring interface level
ULG-S			

Example: ULG-S1CWY means side mounted type, wetted material is carbon steel, with tracing steam, measuring liquid level double color quartz glass tube liquid level Gauge.

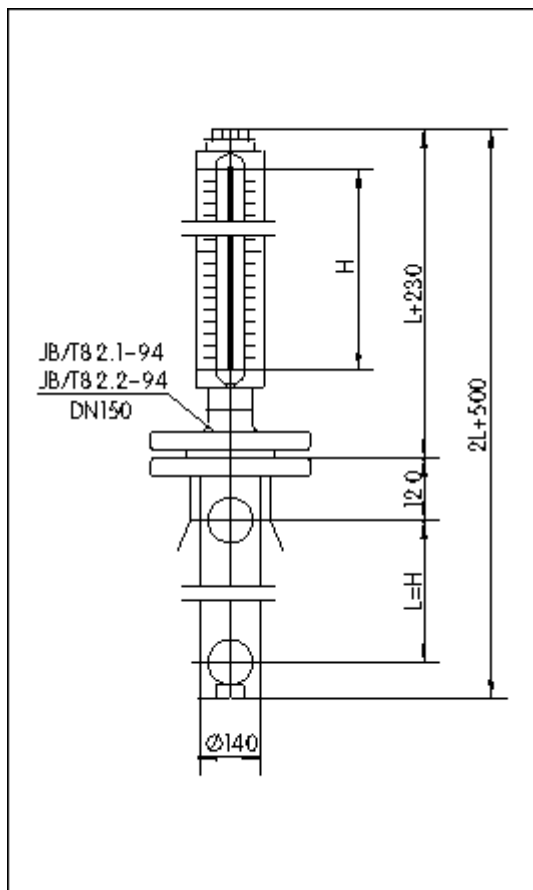
Outline Sketch and Installation Dimensions



ULG-S1



ULG-S2



ULG-S3

Order Notice

Model and specification:

Measuring range:

Operating pressure:

Operating temperature:

Medium density: (when measuring interface level, two densities should be supplied)

Flange standard:

Specially required wetted material brand:

Other requirements: