# YSU UBS 系列双色玻璃板液位计
# YSU AND UBS SERIES DOUBLE-COLOR GLASS PLATE LIQUID LEVEL GAUGE

## 概述 INTRODUCTION

YSU、UBS系列双色玻璃板液位计是UB型玻璃板液位计的更新产品，仪表气液相双色显示，观察清晰，采用不锈钢和F4密封填料制造，耐腐蚀性好。它广泛用于工业系统中敞开或密闭容器内介质的液位指示，特别是无色透明液体的现场指示。

YSU and UBS series double-color glass plate liquid level gauge is updated product of UB type gauge. Gas and liquid are indicated clearly in different color. Stainless steel and F4 sealing fillings are applied, so its corrosive proof ability is very good. The gauges are widely suitable for open or close vessels especially colorless and transparent liquid.

## 结构原理 STRUCTURE PRINCIPLE

YSU、UBS系列双色玻璃板液位计的双色原理，是应用光线在不同介质中呈现不同的折射率及反射特性，并借助滤色片使这种特性呈某种颜色，从而达到外观液相呈黑色，气相呈红色显示，气液分界面极为清晰。

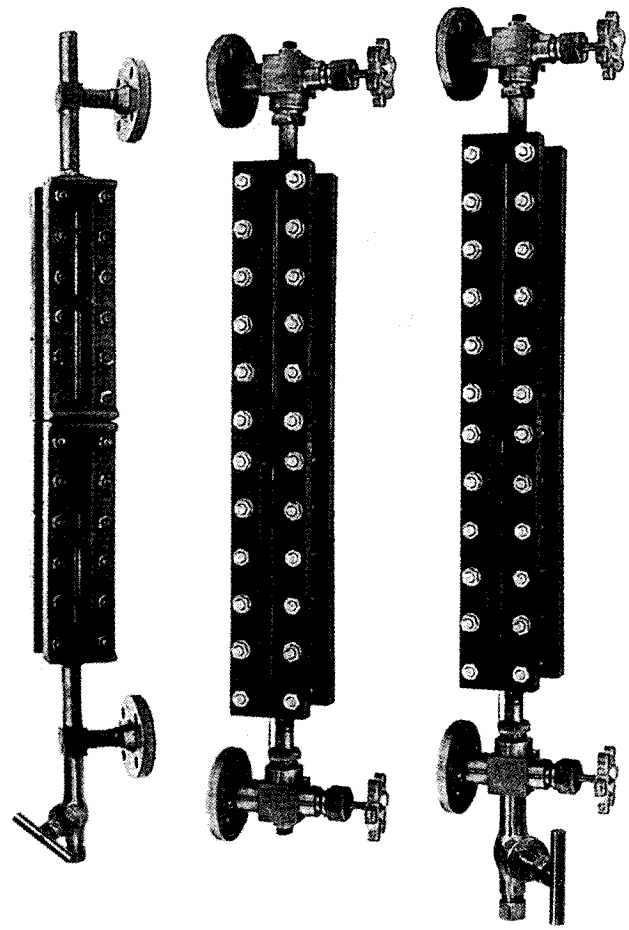
YSU系列双色玻璃板液位计的上下连接法兰从其侧面引出，使玻璃透光总长度接近于液位变化的总量程，因而消除了上下两端的盲区。

UBS系列双色玻璃板液位计由上下针形阀同容器连接，当液位计玻璃板意外破裂时，其阀内安全钢球在容器工艺压力作用下能自动封闭，以防止液体继续外流。

YSU and UBS series double-color glass plate liquid level gauge is based on optical color-filt principle. Light has different refractive index and reflecting performance in dissimilar medium, and through color filter it will appears some kind of color, consequently, shows liquid in black and gas in red. So the gas-liquid interface is very clear.

The top and bottom connecting flanges of YSU series double-color glass plate liquid level gauge are leaded from side of gauge. Thus the total visible length of glass plate is close to full scale of liquid change, and the blind areas at two ends are eliminated.

The gauge is connected to vessel by top and bottom needle valves. When glass is damaged accidentally, the secure steel ball in valves will seal up automatically due to inner pressure to prevent the liquid washout.



## 主要技术参数
## MAIN TECHNICAL PARAMETERS

测量范围 measuring range：（安装中心距center-center distance mm L）300，500，800，1100，1400，1700…

工作压力 operating pressure：4.0MPa

工作温度 operating temperature：≤250℃

阀门自动密封压力 valve automatically sealing pressure：>0.2MPa

伴热蒸汽压力 heating jacket pressure：≤0.6MPa

蒸汽夹套接头 heating jacket coupling：G1/2”外螺纹

连接法兰标准 connecting flange standard：JB/T82.2-94 DN20 PN4.0凸面法兰，其它法兰标准如HGJ、GB、ANSI等请用户注明。Convex flange，other flange on request.

材质 material：碳钢carbon steel，不锈钢stainless steel