

TKWL-150系列玻璃管液位计

TKWL-150 Series Glass Tube Level Gauge

产品概述

Product Overview

TKWL-150系列玻璃管液位计是我公司采用高纯度玻璃管制造的产品。仪表显示清晰，密封性能好，耐高温、高压、防粘稠，寿命长，维护方便，广泛应用于石油、化工、电力、冶金等行业中各种容器及锅炉的液位检测指示。特别适用于无色透明液体的测量指示。

The TKWL-150 series glass tube level gauge is a product manufactured by our company using high-purity quartz tubes. This instrument provides clear display, excellent sealing performance, high temperature and high-pressure resistance, resistance to viscous fluids, long lifespan, easy maintenance, and finds wide application in various industries such as petroleum, chemical, power, and metallurgy for liquid level detection and indication in containers and boilers. It is particularly suitable for measuring and indicating colorless transparent liquids.

产品原理

Product Principle

玻璃管液位计上下均装有法兰，通过过程连接与容器构成连通器。透过石英管或玻璃管就可以直接读得容器内介质液位或界位的高度。双色式工作是基于光线在气相与液相介质中的光学透射、反射与折射原理，经过光学系统设计而实现，使气相与液相相比格外分明、清晰，液相呈绿色，气相呈红色，色别反差大，显示一目了然，无盲区。

The glass tube level gauge is equipped with flanges at both the top and bottom, which are connected to the container through a process connection, forming a continuous connection. The height of the liquid level or interface in the container can be directly read through the quartz or glass tube. The dual-color operation is based on the principles of optical transmission, reflection, and refraction of light in the gas and liquid phases. It is achieved through the design of an optical system, which ensures clear and distinct differentiation between the gas and liquid phases. The liquid phase appears green, while the gas phase appears red, creating a significant contrast in colors and providing a clear and unobstructed view without blind spots.

产品信息

Product Information

 TKWL-150	测量范围：0-2000mm，特殊可定制 工作温度：-80~450℃ 工作压力：2.5、4.0、6.4、11MPa 材质：碳钢、304、316L等 连接方式：螺纹/法兰	Measurement Range: 0-2000mm (customize for special requirements) Operating Temperature: -80 to 450℃ Operating Pressure: 2.5, 4.0, 6.4, 11MPa Material: Carbon Steel, 304 Stainless Steel, 316L Stainless Steel, etc. Connection Type: Threaded, Flange
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选型指南

Selection Handbook

TKWL-150			
功能类型 Functional Type 普通玻璃管 Ordinary Glass Tube 石英玻璃管 Quartz Glass Tube	A B		
接液材质 Liquid Contact Material 碳钢 Carbon Steel 304 304 Stainless Steel 316L 316L Stainless Steel 其他材质 Other Material	1 2 3 0		
特殊结构 Special Structure 无盲区 No Blind Zone 蒸汽伴热 Steam Traced 防霜式 Frost-proof 带灯光 With Lighting 其他特殊结构 Other Special Structure	1 2 3 4 0		