

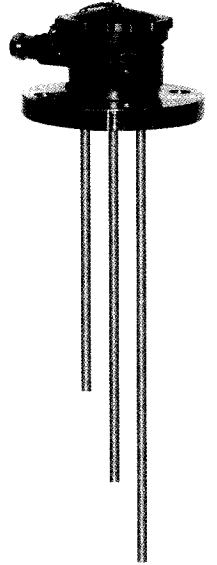
# UDK-201 系列电接触液位开关

## UDK-201 SERIES ELECTRIC CONTACT LIQUID LEVEL SWITCH

### 概述 INTRODUCTION

UDK-201系列电接触液位开关是与日本OMRON公司相仿的液位开关产品，主要用于导电液体的液位控制。仪表通过电极触导电液体，在电极间施加低频电压，当电极从断开状态变为串接液体电阻时，形成导电通路，经电气控制线路使用仪表内继电器工作。仪表广泛用于化工、轻工、食品等行业中各种导电液体的液位控制，对高层楼房上水及锅炉水位控制尤为适用。

UDK-201 series electric contact liquid level switch is based on the advanced technology of Japanese OMRON and mainly used for level control of conductive liquids. The instrument contacts conductive liquid by electrodes, and apply low-frequency voltage between electrodes. When electrodes become serial with liquid resistance from open status, a conducting loop forms to drive built-in relay to operate by electrical control circuit. The switches can be widely used for level control of various conductive liquids in fields of chemical, light industry and foodstuff etc., especially the products are suitable for water level control of high buildings and boilers.



### 型号规格 MODEL AND SPEC

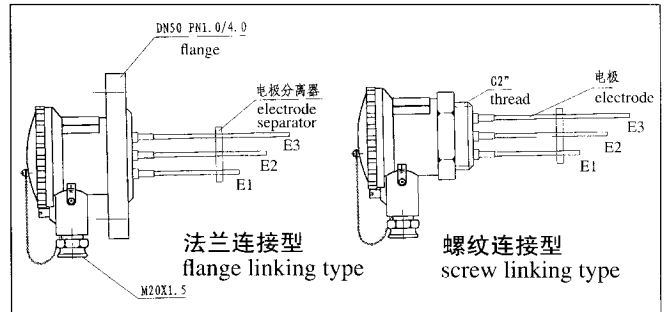
型号 model	被测液体电阻率 resistivity of liquid	用途 purpose
UDK-201G	1~20kΩ cm	主要用于清水和污水的给排水自动控制 for water supply and drainage automation of clarified water and sewage
UDK-201GH	30~200kΩ cm	主要用于净水和蒸馏水的给排水自动控制 for water supply and automation of purified water and distilled water

### 主要技术参数

#### MAIN TECHNICAL PARAMETER

- 控制误差 control error:  $\leq \pm 5\text{cm}$
- 重复性误差 repeatability:  $\leq \pm 2.5\text{cm}$
- 切换差 switching error: 12mm
- 介质温度 medium temperature: 150℃; 200℃
- 环境温度 ambient temperature: -10℃ ~ 55℃
- 环境湿度 ambient temperature: 45% ~ 55℃
- 消耗功率 power consumption: 3.2w
- 触点容量 contact capacity: 220V AC,5A
- 过程连接 process connection: 螺纹安装 thread: G2"
- 法兰安装 flange: convex DN50, PN1.0/4.0突面(HG20592-97)

### 外形尺寸 OUTLINE DIMENSION



### 工作原理 OPERATING PRINCIPLE

电极E3为公共电极，电极E2为下限电极，当液位下降，E2与液体脱离，内部继电器②、④接通，启动泵，液体上升，当液位升至上限电极E1点时，继电器②、④断开(③、④)接通，周而复始。

### 电气接线图 ELECTRIC WIRING

