

## 概述

WIO100 油液水分在线检测传感器是一款新型的基于介电常数法的在线式油中水分含量检测传感器。传感器采用独创的双对称式电极结构，采用高精度介电常数检测技术，并结合温度补偿技术，以及丰富的水分标定经验，精确获取油中含水量的变化。可广泛应用于石油开采、冶炼、电力、钢铁、化工、船舶齿轮箱等多个领域的原油以及润滑油等水分含量在线监测。



## 产品特点

- 准确测量油中水分含量 (ppm)
- 流通式结构，小巧紧凑，便于集成
- 测量润滑油、液压油、绝缘油等多种油样
- 内置温度传感器，实现高精度温度补偿
- 恶劣环境中长期稳定运行

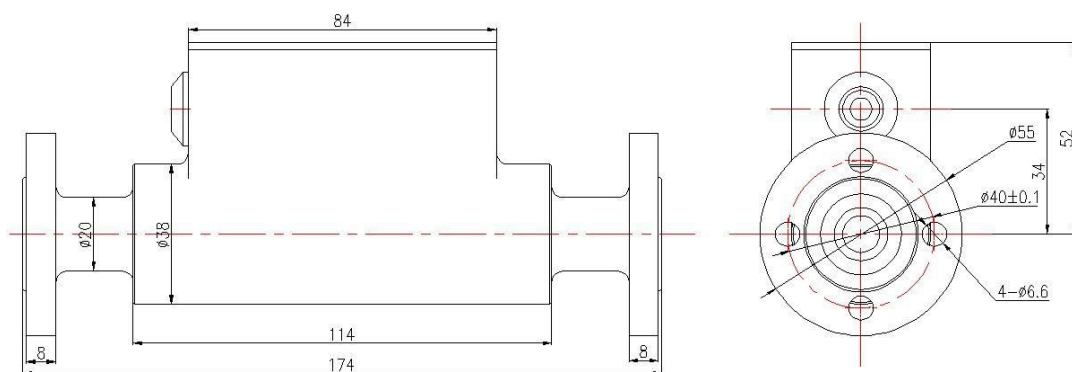
## 应用领域

- 石油开采、冶炼
- 工业和制造现场控制领域
- 热电厂、核电厂、风力发电等电力行业
- 航空航天、船舶、铁路、汽车
- 水利、冶金、石化等行业

## 产品参数

- 量程 (绝对精度)：0~5% (±0.1%)，0~15% (±0.2%)，0~倒相点 (±0.5%)，0~100% (±2%)
- 温度稳定度：0.01%水/°C
- 分辨率：100ppm
- 供电电压：12VDC~30VDC (典型值 24VDC)
- 流体温度：-40~+105°C；补偿温度范围：-40~+105°C；
- 压力范围：0~3Mpa
- 输出：数字信号 RS485；0~5V；4~20mA
- 温度传感器：Pt1000 铂 RTD
- 温度分辨率：0.4°C
- 材质：304, 316L 不锈钢

## 外形尺寸



## 订购信息

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