

CIKACHI®

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雷达波位准应用系统

Radar Wave Positioning Application System

宣传画册

Brochure

产品描述 Product Description

雷达波位准系统是基于工业雷达研发的一种位准系统，广泛用于各种工业控制领域。采用 80G FMCW 调频连续雷达技术，通过雷达波探测目标距离，测量精准可达毫米。盲区最小距离达到 15cm，最大测量距离达 15 米，测量速度快至达 5HZ。采用非接触式测量，使用控制领域广泛、且不受天气或气候影响。使用安装方便，市电供电即可。

Radar Wave Position System is a control system developed based on industrial radar, which is widely used in various industrial control fields. By using 80G FMCW FM continuous radar technology, the measuring accuracy can be up to 1mm, minimum blind spot distance up to 15cm, maximum measuring distance up to 15m and measurement frequency as fast as 5Hz. It is widely used in wide range of control fields and it will not affected by weather or climate due to Non-contact measurement. Easy to use and install, and can be powered by mains electricity.

基础特征 Basic Features

- 高精度测量:利用雷达技术,实现了毫米级的水位测量；
High-precision measurement: Millimetre-level water level measurement is achieved by using radar technology;
- 环境适应性强:不受温度、湿度、气压、雨雪和风沙等环境因素的影响。确保数据连续性；
Strong environmental adaptability: Not affected by environmental factors such as temperature, humidity, air pressure, rain, snow, wind and sand. Ensure data continuity;
- 多用途应用:用于食品行业、水库、煤粉、药罐、水泥、印染、油罐、电厂、化工等不同水域环境,满足各种监测需求；
Multi-purpose application: It is used in different liquid environments such as reservoirs, coal powder, medicine tanks, cement, printing and dyeing, oil tanks, power plants, chemical industry, food industry and etc. meet various of inspection needs;
- 低能耗设计:采用先进的低功耗技术,延长设备使用寿命,降低使用成本；
Low energy consumption design: By using advanced low-power consumption technology, to extend the service life of the equipment and reduce the cost of use;
- 系统设计采用工业级雷达芯片,稳定性高,环境适应能力强；
The system design with industrial-grade radar MCU, with high stability and strong environmental adaptability;
- 结构精致、安装便捷。
Exquisite structure and easy installation.

产品型号 Product model

CRC-1	CRC-2
控制1处感应位 1 way sensor control	控制2处感应位 2 ways sensor control

雷达波位准应用系统
Radar Wave Positioning Application System



产品图片 Product picture



产品参数
Product Parameters

- 设备供电:AC220V 50HZ/DC24V
Equipment power supply: 220VAC 50Hz/DC24V
- 测量范围:15cm -15m
WEH: 15cm -15m

技术优势（常见技术特点对比）
Technical advantages (comparison of common technical features)

常见技术特点对比 Comparison of common technical features		超声波 Ultrasonic	红外/激光TOF Infrared/Laser TOF	雷达波 Radar wave
美观度 Aesthetics		暴露 Exposed	隐藏在玻璃后 Hidden behind the glass	可以穿透塑料设计，美观度高 It can penetrate plastic designs and highly aesthetics
测量速度 Measure the speed		声音 Sound	光 Light	光 Light
可靠性影响 Reliability	烟雾/气体 Smoke/gas	★★★★☆☆	★☆☆☆☆	★★★★★★
	压力 Pressure	★★★★☆☆	★★★★★★	★★★★★★
	高温 High-temperature	★★★★☆☆	★★★★★★	★★★★★★
	强光 Strong light	★★★★★★	★☆☆☆☆	★★★★★★
被测目标特性影响 Characteristics of the measured target	暗/深色物体 Dark objects	★★★★★★	★☆☆☆☆	★★★★★★
	透明表面(玻璃) Transparent surface (glass)	★★★★★★	☆☆☆☆☆	★★★★★★
	液体 Liquid	★★★★★☆☆	★★★★☆☆	★★★★★★
	软 Soft	★☆☆☆☆	★★★★★★	★★★★☆☆
可检测目标信息 Detectable target information		距离信息 Distance information	距离信息 Distance information	距离信息 Distance information