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80GHz Radar Lever Transmitter

Model:KRLT-L




## Product Overview

The KRLT-L is the ideal sensor for non-contact level measurement in simple applications. Weight only 400g. it is particularly suitable for open channel application: water/wastewater field, rain basins, flume, dam level monitoring. Meanwhile the sensors could be applied on some liquid tanks or containers.

* High frequency: 80GHz, more focus
* Accuracy: ±2 mm(liquid)
* Measuring range: up to 30m
* Small emitting angle: ±3.5°
* Thread connection:G 1.5, customized flange

## Applications

-Chemical tanks and aggressive liquids

-Oil and petroleum product storage systems

-Water and wastewater treatment plants

-Cement, grain, and coal silos

-Plastic granule and bulk solid handling systems

-High-temperature reactors

-Pressurized tanks and vapor-intensive processes

-Agitated reactors and tank systems

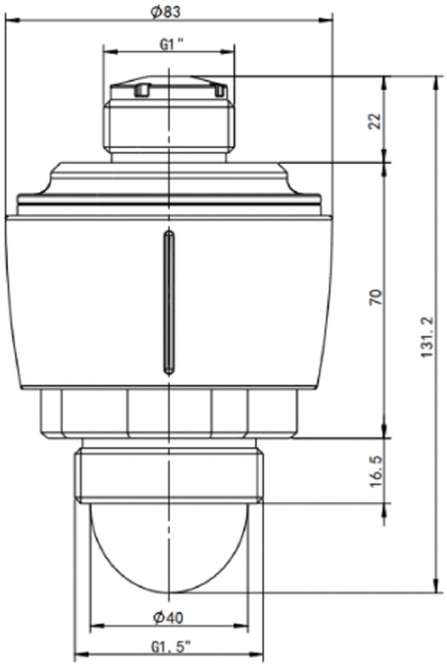


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## Technical Specifications

| Parameter | Specification Details |
|---|---|
| **Model** | KRLT-L |
| **Product Type** | FMCW Radar Level Transmitter |
| **Application** | *Open channel water measurement<br>*Standard liquid measurement |
| **Frequency** | 77Ghz-81Ghz |
| **Measurement Range** | Liquid: 10M 20M 30M |
| **Accuracy** | ±2mm |
| **Beam Angle** | ±3.5° |
| **Material** | PP (polypropylene) (PVDF, PTFE or POM Body optional) |
| **Process Connection** | G1.5 Thread and flange (customized) |
| **Process Temperature** | -40°C to +80°C |
| **Process Pressure** | Normal atmospheric pressure |
| **Signal output** | 4-20mA / RS485/ Bluetooth |
| **Power** | Two-wire DC 24V (22V~30V) |
| **Protection** | IP67 |
| **Weight** | 83mm*128mm, weight 400g |

## Dimensions




## Bluetooth Applications



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## Ordering Code & Model Selections

**KRLT-L Model 80GHz Radar Level Transmitter** (PP/ PVDF/ POM Body Options)

| Parameter / Category | Code | Option Description |
|---|---|---|
| **Medium Type** | **2** | Two-Wire |
| **Measuring Range(m)** | **0.2~30** | 10 20 30 |
| **Connection** | **G** | G Thread |
| | **F** | Flange |
| **Temperature** | **N** | -40 ℃ to 80 ℃ |
| **Cable entry** | **M** | M16×1.5(F) |
| **Electronics** | **T** | 4-20mA |
| | **M** | Modbus |
| | **B** | Bluetooth wireless |
| **Protection** | **P** | IP67 |
| **Cable Length** | **1-20** | 1 2 5 10 |

**SELECTION CODE EXAMPLE**

| Model | Medium Type | Measuring Range | Connection | Temperature | Cable Entry | Electronics | Protection | Cable Length |
|---|---|---|---|---|---|---|---|---|
| KRLT-L | 2 | 10 | G | N | M | TMB | P | 10 |