



HONDE TECHNOLOGY CO.,LTD

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## **Radar Water Level Gauges Product specification**



### **RD-300s Series**

Alibaba website: <https://hondetec.en.alibaba.com/>

## Acknowledgement

First of all, I would like to express my heartfelt thanks to you for choosing our products!

RD-300s Series Radar Water Level Gauge is a kind of equipment using microwave radar technology, which can realize accurate, quick and non-contact measurement of water level. The instrument is small, light and easy to install, and can realize non-contact measurement of river water level, open channel, reservoir and sewage pipe network.

RD-300s series radar water level gauge adopts 80G frequency modulated continuous wave (FMCW) technology, which has high measurement accuracy, low power consumption, small size, light weight, strong anti-environmental interference ability, good reliability, availability and maintainability.

In particular, we recommend that you read this manual before using the RD-300s Series Radar Water Level Gauge, so that you will have a better understanding of how to use this advanced water level measuring instrument. This manual describes in detail the use, maintenance and precautions of RD-300s series radar water level gauges.

## Technical parameters

Water level measurement	
Measuring range	0.2-20m
Measurement accuracy	± 2mm
Resolution	1mm
Radar antenna	Planar microstrip array antenna
Dormancy time	0-18h, settable
Radar frequency	80GHz
Radio wave emission angle	8 °

Other parameters	
Power supply range	7-32V DC
Digital interface	RS232\ RS485\ 433MHz (Optional)
Analog output	4-20mA
12V power supply energy consumption	Operating mode, ≤ 26mA Low power (sleep) mode, ≤ 1mA
Shell material	Aluminum alloy shell
Protection level	IP68
Operating temperature	-40 °C-85 °C
Storage temperature	-40 °C-85 °C
Lightning protection	Lightning protection level 6KV
Dimensions (mm)	89 x 90 (mm)