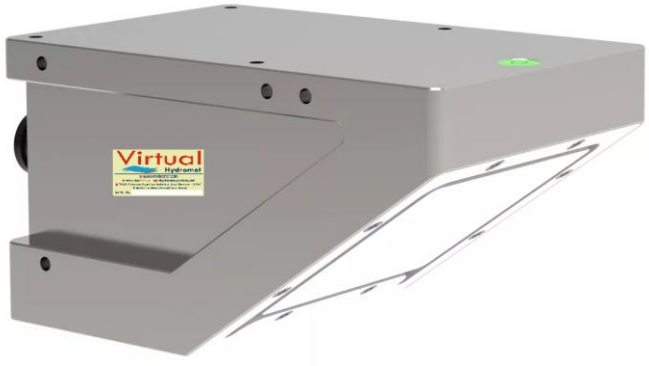
Water Flow Sensor (Radar Type)



Model: SEN-WFR

Microwave technology measures the water velocity and water level, according to the built-in soft Piece model and algorithm, convert the flow and cumulative flow of the cross-section.

Use 24GHz and 60GHz microwaves for flow rate and water Position measurement, the measurement result is not affected by ambient temperature, air pressure, water The influence of surface water vapor, water pollutants and sediments; its sudden It is characterized by small size and low power consumption, especially suitable for solar energy Power supply and battery pack power supply and other applications with demanding power consumption requirements occasion.

Applications:

Determining the water level of Surface water, dams, lakes, pools, aquatic ponds.

Flow measurement system	
Measuring principle	Radar Planar microstrip array antenna CW + PCR
Applicable environment	24 hours, rainy day
Operating temperature range	-30℃~+80℃
Operating Voltage	7-32V / 5.5-32V (optional) DC power supply
Relative humidity range	20%~80%
Storage temperature range	-30℃~80℃
Working current	4VDC input, working mode: ≤300mA standby mode:
Lightning protection level	6KV
Physical dimension	160*100*80（mm）
Weight	1KG
Protection level	IP68
Radar Flowrate sensor	
Flowrate Measuring range	0.03~20m/s
Flowrate Measurement accuracy	±0.01m/s ;±1%FS
Flowrate Radar frequency	24GHz
Radio wave emission angle	12°
Radio wave emission standard power	100mW
Measuring direction	Automatic recognition of water flow direction, built-in vertical angle correction
Radar Water Level Gauge	
Water level Measuring accurancy	±2mm
Water level Radar frequency	60GHz
Radar power	10mW
Antenna angle	8°

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***** Drawing & specifications are subjected to change at any time without prior notice as per manufacturing suitability.***