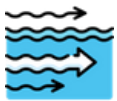


Benefits:



Water Level Detection



Water Flow Speed Detection

Features:

- 1. The mainboard is sprayed with conformal coating to prolong the service life, effective protection of circuit boards and components from the wet environment, ensuring stable operation even in high humidity environments
- 2. Probe IP68
- 3. 12V power supply

RADAR LEVEL SENSOR

The Radar Flow Meter advanced fluid velocity detection and tracking algorithms, is specifically designed for open channels.

Utilizing non-contact radar, this device delivers precise flow measurements even in challenging conditions like high floods, rapid flows, and high sediment content. Its advantages include high automation, easy installation, and maintenance, making it an efficient, accurate, and reliable solution for flow measurements in various environments.

Sensor implementations:



WATER TREATMENT



INDUSTRIAL WASTEWATER



INDUSTRIAL PROCESSES



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**IOT
KREASI
INDONESIA**

RADAR FLOW METER



A radar sensor that can assist in reading liquid/solids levels up to a height of 20 metres. This sensor is designed using DSP technology and advances phyTrack fluid velocity detection and tracking algorithms specifically for open channel surface velocity and flow.

Technical Data

PARAMETERS	RADAR FLOW METER
Measuring range	up to 20 meters
Accuracy of measurement	±0.02 m
Resolution	1mm
Power supply	12V DC
Ambient temperature	-20°C ... +60°C
Communicate	485 communication
Comunication protocol	Modbus RTU
Level of protection	Display meter IP65 Probe IP68

Electrical Characteristics

PARAMETERS	MINIMUM	TYPICAL	MAXIMUM	UNIT
VELOCITY				
Power supply voltage	9,0	12,0	27,0	V (DC)
Operating current	110	120	135	mA
Operational temperature	-40		+85	°C
Measurement range	0.15		20.00	m/s
Accuracy		±0.02		m/s





PARAMETERS	MINIMUM	TYPICAL	MAXIMUM	UNIT
Resolution		1		
Distance	0.1		50	m
Installation height	0.15		25	m
Sample rate		20		sps
WATER LEVEL				
Measurement range	0.5		20.00	m
	0.4	C	5	m
Accuracy			±3	mm
		C	±10	mm
Resolution		1		mm
Repeatability		±1		mm
MAIN ENGINE				
Power		9 ~ 27 V		(DC)
Operation current		~ 180		mA
Operational temperature	-40		+85	
Ingress protection rating		IP67/IP68		
Weight		2.85 Bare metal	4.9	Kg
Mechanical		325x280x135		mm
Installation		Ceiling/Wall mount		
Protocol		MODBUS RTU		

