

Microwave Type Water Level Gauge (RS485)



- Stable measurement without thermal or pneumatic impacts
- Low-power transmission with no impacts to the human body or environment
- Low consumption of electric current with RS485 output
- Non-contact measurement with least impacts from drift woods or sediment



The distance to the water surface is measured by multiplying the propagation time, in which the microwave pulse transmitted to the water surface reflects on the water surface and is received, by 1/2. The water level is calculated by subtracting this distance from the installation height. The electric signal of the water level data is converted and output as RS485 serial signal.

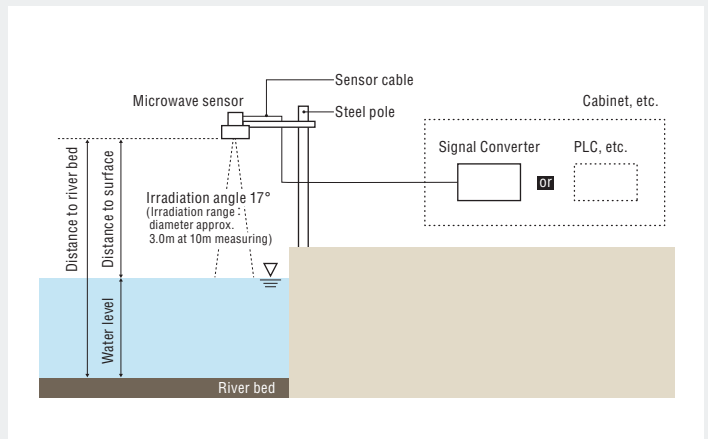
The microwave allows stable measurement on the rivers without impacts from the environmental conditions and the temperature of the measurement subject. The microwave used is low-powered transmission, giving no impact to the human body or environment.

Specifications

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Model	MD-10
Measuring method	Microwave pulse radar
Microwave frequency	5.8GHz
Measuring range	0 to 10m(for river), 0 to 20m(for still-water level)
Dead zone	up to 0.5m below the flange mount position
Accuracy	±10mm
Output signal	RS485 signal
Power supply	DC12V(10 to 16V)
Operating condition (temperature, humidity)	-20°C to +70°C (No freezing)
Material	Body : Aluminum die casting Antenna : SUS316
Dimensions	265W x 584H x 265D mm
Weight	Approx.5kg

■ Configuration diagram



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