H1600-P
Flat Panel Radar Level Meter

The H1600-P Flat Panel Radar Level Meter uses high-frequency microwave radar technology to obtain the distance and orientation from the water surface to the emission point by transmitting and receiving electromagnetic waves. It has a built-in water surface fluctuation filtering algorithm, featuring high precision, low power consumption and small size. It can connect to RTU/PLC via RS485, support wireless transmission in wiring-difficult environments, and form an all-weather water level monitoring system.

Core Parameters

Water Level Range	10m/30m/45m/80m
Ranging Precision	±3mm
Communication Interface	RS-485/Standard MODBUS-RTU Protocol
Baud Rate	9600~115200 bps, default 9600 bps
Attitude Angle	Horizontal angle and roll angle precision ±1°; resolution ±0.1°, built-in vertical angle correction
Operating Voltage	+6~+32V DC, 12V DC recommended
Operating Temperature	-30~+70℃
Product Size	190mm×130mm×50mm

Application Scenarios

Urban Waterlogging and Road Ponding Monitoring

River Water Level Monitoring

Irrigation Area Water Measurement Monitoring

Reservoir Water Level Monitoring

High-Precision Measurement

Adopts fluctuating water surface measurement model and high-precision signal processing algorithm

Low Power Consumption Design

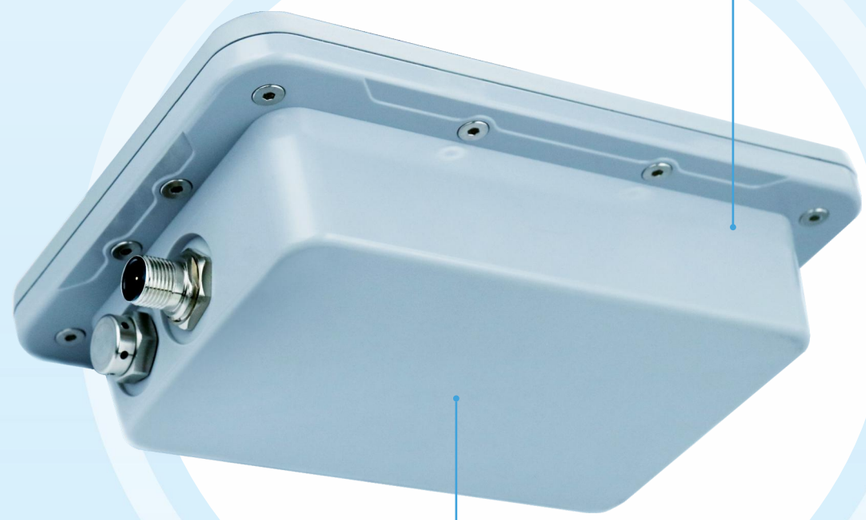
Advanced power management strategy and scientific working mode switching

Debugging Without Computer

Can directly connect to the radar flow meter through mobile phone Bluetooth app or platform for end-to-end management, including parameter configuration, system upgrade, data polling, device status query, etc.

High Protection Level

IP68 protection, lightning protection and reverse connection protection design, suitable for various field environments



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Non-Contact Measurement

Less affected by temperature gradient, pressure, air density, wind or other meteorological and environmental conditions, as well as sewage corrosion, sediment, etc.