

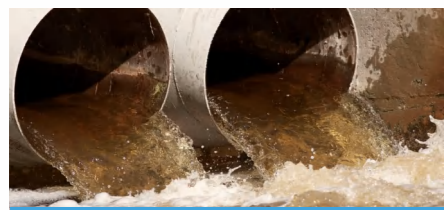
H1688 Acoustic Doppler Flow Meter

The H1688 Acoustic Doppler Flow Meter is a contact-type device, especially suitable for measuring fluids with turbidity > 20mg/L and solid-liquid two-phase flow. It features low power consumption, high precision and wide range, can simultaneously measure flow velocity, water level, flow rate and water temperature, and meets high-precision and high-stability requirements.

Core Parameters

Flow Measurement Range	0.02~10m/s, 0.03~10m/s, -7~+7m/s
Flow Measurement Precision	±1%±0.010m/s
Water Level Range	0~10m
Water Level Precision	0.1%F.S.
Temperature Measurement Range	0~60°C
Power Supply Voltage	12V DC
Product Size	200mm×65mm×32mm

Application Scenarios



Urban Drainage Pipe Network Monitoring



Irrigation Canal Flow Monitoring



River and other surface runoff monitoring



Unattended Hydrological Monitoring Station



AI Edge Computing

Multiple cross-sectional hydrodynamic models and intelligent flow integration algorithms ensure flow measurement accuracy



Built-in Gauge Pressure Sensor

Perfectly solves the errors of absolute pressure sensors caused by different time periods, different regions and different weather changes, and is very suitable for drainage pipe network measurement environments



Low Power Consumption Design

Overall low-power design of embedded software and hardware, advanced power management strategy and scientific working mode switching



High Protection Level

IP68 protection level, with reverse connection protection, overvoltage protection and overcurrent protection



Support for Bidirectional Installation

Supports both downstream and upstream installation methods, which can effectively solve the drawbacks of traditional fixed methods such as easy garbage hanging and difficult maintenance



Anti-Clogging Design

Through the patented structural design, it effectively prevents sludge from clogging key measurement parts



H1688