

Hall Turbine Water Flow Meter Sensor (FM4084 Series)

Model: FM4084 / FM Series

Product Overview

High-flow stainless steel Hall-effect turbine flow meter generating pulse frequency proportional to volumetric flow rate up to 150 L/min.

Key Features

- Precision balanced SUS304 turbine rotor with sapphire/hard-alloy bearings
- High pulse resolution: 450 to 1200 pulses per liter
- Linear frequency output compatible with PLCs, microcontrollers, and flow totalizers
- Operating flow rate: 5 L/min to 150 L/min
- Food-grade and potable water compliant construction

Typical Applications

- Automotive & Commercial Vehicles
- Industrial Machinery & Automation
- Electric Vehicles (EV & FCEV)
- Safety Interlocks & Control Systems

Technical Specifications

Parameter	Specification / Technical Value
Flow Range	5 L/min to 150 L/min
Output Signal	NPN open-collector pulse frequency
Working Voltage	4.5V to 24V DC
Measurement Accuracy	±2.0% of reading
Max Working Pressure	2.0 MPa (20 bar)
Fluid Temp	-10°C to +100°C