

Measuring principle

This meter is equipped with Hall velocity rotation sensor, to measure the water flow rate in open channels, using velocity area method of open channel flow measurement. When measuring flow velocity, the flow velocity of rotary rotor is driven by water power and the flow rate can be measured with the formula $V=KN/T + C$, where V is the avg flow velocity(m/s), K and C are constants, T is flow measurement duration, N is time period.

Applications

Open channel water flow rate meters are useful in hydrological stations, factories and mines, environmental protection monitoring station, farmland irrigation and drainage, hydrogeology survey and other departments. Its rugged sensor structure allows for use in sewage environment to measure polluted water flow rate.

Features

- Two models upto 10m/s range
- Hall velocity rotation sensor allows to measure in sewage environments for polluted water flow rate
- Battery or external power supply
- Backlit display



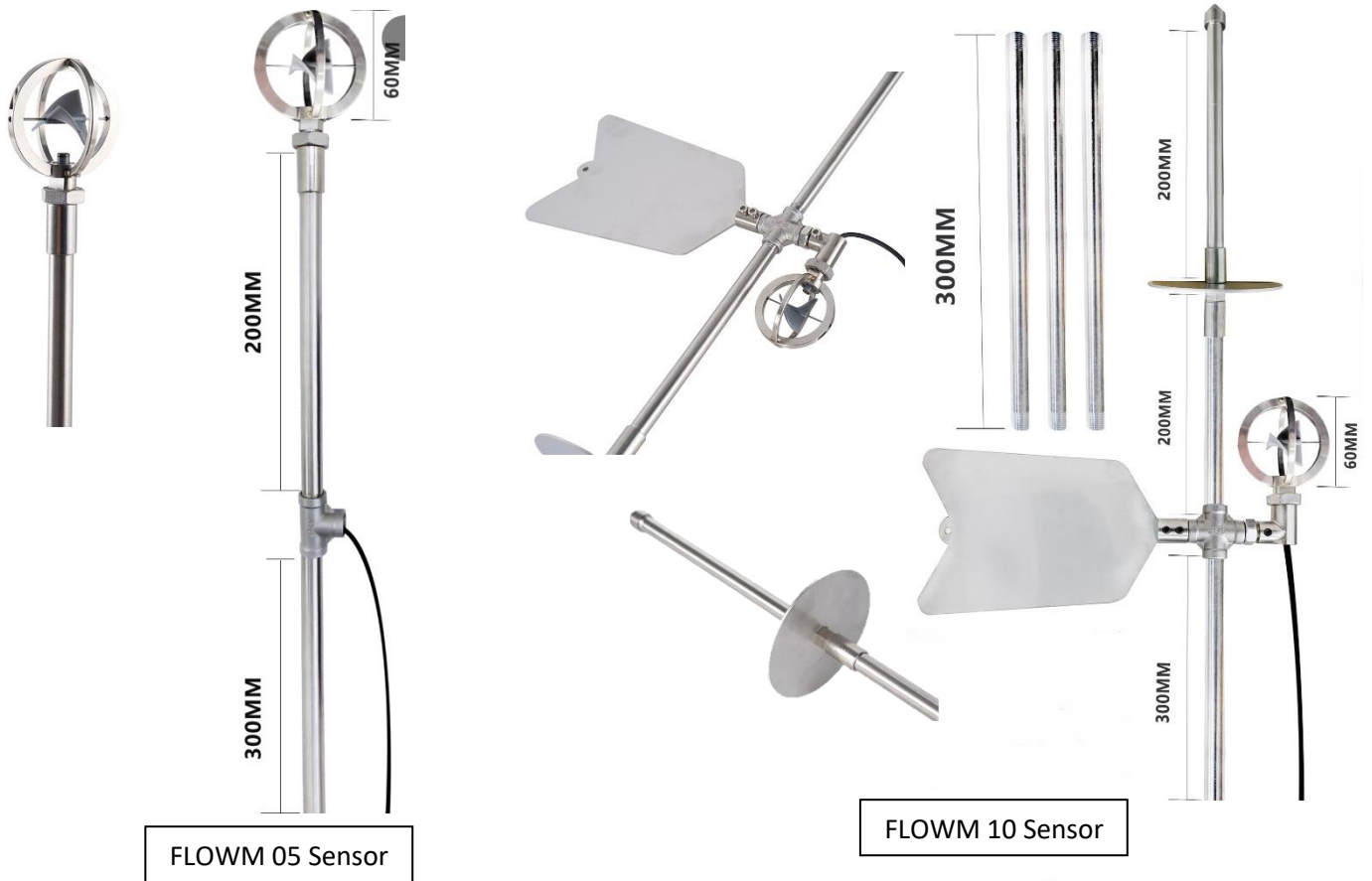
FLOWM 05 (upto 5m/s)
has about 0.6m long
sensor with 2 extension



FLOWM 10 (upto 10m/s)
has about 1.8m long sensor
with 6 extension rods

Technical Specifications

Model	<i>Metrix+</i> FLOWM 05	<i>Metrix+</i> FLOWM 10
Range	0.01 ~ 5.00 m/s	0.01 ~ 10.00 m/s
Resolution	0.01	
Accuracy	≤1.5%	
Measurement method	Pole positioning method	
Formula	$V = KN/T + C, K=0.0500, C=0.0100$	
Features	backlit display, low battery indication, auto power off	
Operating	Temp: 0~50C, Humidity <80% RH	
Power source	4 x 1.5V AAA batteries or 5V DC external power supply	
Dimensions	Main unit: 75 x 135 x 25mm, approx. 800g	
Std accessories	Main unit, sensor, manual, case	



FLOWM 05 Sensor

FLOWM 10 Sensor



Model and Specifications subject to change without notice.