

Ultrasonic Open Channel Flow Meter FLO200 Series



WESS GLOBAL, INC.



Ultrasonic Open Channel Flow Meter

The **FLO200** open channel flow meter is non-contact flow meter available for measurement of flows in municipal wastewater and storm water sewers. The FLO200 consists of a ultrasonic sensor and a micro-processed control unit.



Product Features

← Various applications

FLO200 can apply to most flumes and weirs as well as non-standardized flow application with built-in automatic programming menu option.

← Narrow ultrasonic beam angle (4 degree)

We cut down ultrasonic beam angle to minimize the effect of existing field structures and maximize the convenience of installation.

← Current isolation

The isolated electric design enables to deal with strong field noise.

← Provide pulse output

← Max 400 days data logging

Applicable Flumes and Weirs

- Parshall Flumes
- Palmer Bowlus Flumes
- Trapezoidal Weirs
- Suppressed Rectangular Weirs
- Leopold Largo Flumes
- Khafagi Venturi Flumes
- V-Notch Weirs
- Contracted Rectangular Weirs

Specification

Controller

Model	C5-S
Measuring Principle	Ultrasonic echo flight time
Measuring Ranges	0 ~ 200,000m ³ /h
Accuracy	± 0.25% F.S.
Resolution	1mm
Operational Temp.	-20 ~ 70°C
IP Rating	IP65
Enclosure Material	Body: ABS Window : Polycarbonate
Weight	1 kg
Outputs	Current : 1ea x 4~20mA Pulse : 1ea, open collector Relay : 2ea x SPST Digital : RS232C or RS485(Optional)
Power Supply	100 ~ 240V AC, 20~30V DC(Optional)
Dimension	231(W) x 185(L) x 120(H)mm
Certificate	CE

Sensor

Model	S4-10
Range	0~10m(incl. dead zone)
Beam Angle	4 degree
Frequency	53KHz
Temp. Compensation	Built-in
Operational Temp.	-20 ~ 70°C
Material	C-PVC/Teflon
Mounting Thread	1" PF Thread
Mounting Type	Socket / Flange
IP rating	IP68
Weight	0.7kg





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