

Your vision, automated



MCOM100OCF-P

OPEN CHANNEL FLOWMETER



The MCOM100OCF-P Open Channel Flowmeter is a reliable and accurate instrument designed for measuring flow in open channels. It works seamlessly with ultrasonic level sensors and flow transmitters to provide precise flow indication and totalization. Equipped with a clear LCD display, programmable settings, flexible communication options, and multiple power supply choices, the MCOM100OCF-P is suitable for both wall-mounted and panel-mounted installations, making it ideal for a wide range of industrial and water-management applications.

➤ FEATURES

- Flow indicator 6 digit
- 12 digit flow totalizer
- Input analogue
- Integrated total with rollover count
- Programmable k factor
- Programmable low/zero cut off facility
- 12-digit totalizer with password protected resetting
- User friendly and easily understandable programming Features considering all site and operating conditions.

➤ TECHNICAL SPECIFICATIONS

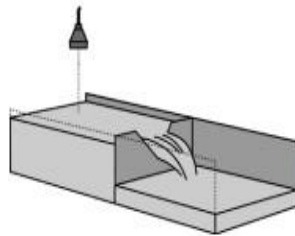
❖ Type :- OCFXXS

1	Input	From Level Sensor
2	Control	NA
3	Supply	<ul style="list-style-type: none">• 24 v DC• 230 V DC• As per requirement
4	Display	<ul style="list-style-type: none">• 16X2 LCD Display• 6 Digit PV• 12 Digit TV
5	Sensors	<ul style="list-style-type: none">• Flow Meters• Ultrasonic Level Sensors
6	Transmitter Supply	24 v DC @ 50 mA (For 2 wire Transmitters)
7	Communication	<ul style="list-style-type: none">• RS 485 RTU MODBUS• RS 232• OR ANY AS PER REQUIREMENT
8	Size (for Wall Mounted)	180x180x100 mm 2. 180X130X100
9	Size (for panel Mounted)	<ul style="list-style-type: none">• Bezel :- 96 x 96 x 80 mm• Cutout :- 92 x 92 x 80 mm
10	Operating Temp.	0 – 57 Deg. C
11	Relative Humidity	5 to 90% (Non Condensing)

➤ INSTALLATION GUIDE

Ultrasonic sensor

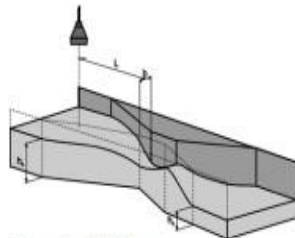
The ultrasonic sensor is mounted behind the weir at a distance of three to four times the head. The ultrasonic sensor has a very narrow spreading of the sound signal and the distance to the highest level to be measured must not be less than the blocking distance and not more than the range + the blocking distance.



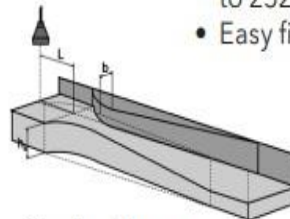
Min. distance for ultrasonic sensor
= max. weir head + deadband.

For measurement of water flow in open systems MJK supplies a range of prefabricated flumes. The flumes are manufactured in PVC and stainless steel.

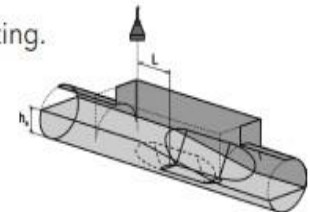
The flumes are ready for installation.



Parshall flume



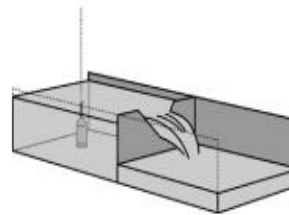
Venturi flume



Palmer & Bowlus flume

Hydrostatic sensor

The pressure transmitter is mounted behind the weir at a distance of three to four times the head or in a stilling well, to the flume. The pressure transmitter has, as a standard, a 1" thread for mounting on a pipe.



Hydrostatic sensor.

- Parshall, Venturi and Palmer & Bowlus flumes are made according to standards.
- The flumes are delivered as complete channel sections ensuring the best possible measuring accuracy.
- They are standard types covering from 6,600 GPM to 252,800 GPM.
- Easy fitting and mounting.