

FLOWMETRIX OPEN CHANNEL FLOWMETER FMX-OCFM

Open channel flow can be measured through weirs and flumes or in the normal sections of the channel.

The FMX-OCFM meters and sensors are cost effective easy to use easy to install and provide good accuracy and reliable flow measurement in demanding environments.

The FMX-OCFM is available in a range of displays and sensors to suit all applications and installation conditions.

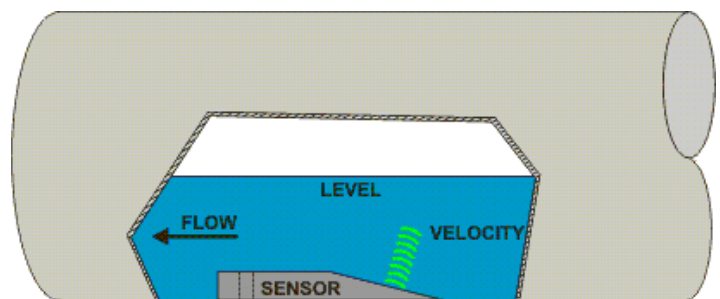
FMX-OCFM range delivers good accuracy of $\pm 2-5\%$ depending on sensor choice and installation. Head or level sensing options are ultrasonic or hydrostatic sensor. Velocity sensor options are electromagnetic, doppler and time of flight.

The FMX-OCFM is a **South African designed and manufactured** flow meter. Flowmetrix have a long history of delivering accurate and reliable flow measurement with exceptional local product support.

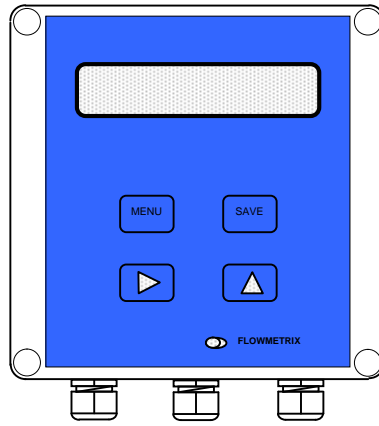
Water & Waste Water are becoming increasingly expensive. When you need to know how much how fast where and when the water went the FMX-OCFM is the natural choice. Flow total and flow rate are always available at the converter. Output signals available to remote instrumentation and telemetry include analogue and digital outputs and Modbus RTU RS485.

PRODUCT FEATURES:

Sensor velocity	Electromagnetic, IP68 $\pm 3\%$ error Doppler, IP68 $\pm 3\%$ error Time of flight, IP68 $\pm 2\%$ error
Sensor Level	Hydrostatic IP68 $\pm 1\%$ error Ultrasonic, $\pm 1\%$ error
Transmitter	Remote wall mount IP67
Display	Two-line rate and total.
Configuration	Supplied to customers spec or modified on site via easy to use menu structure with touch keypad
Outputs	Isolated open collector pulse 24V auxiliary power supply Isolated active 4-20mA programmable
Communication	Modbus RTU RS485 (optional)
Power supply	80-240Vac 50/60Hz $< 5VA$ 12-30Vdc $< 5W$ 3.6Vdc
Accuracy	$\pm 3-5\%$ of flow rate $> 0.5m/s$
Range	0.1-10m/s
Calibration	Level 3-Point calibration certificate Velocity 3-Point calibration certificate
Features	Low Cost Little/No pressure loss No moving parts No maintenance Password and tamper protection Easy to install
Options	GSM telemetry
Standards	ISO 748 open channels - velocity area, ISO 6817 Magflow design, ISO 6416 Hydrometry - Transit time

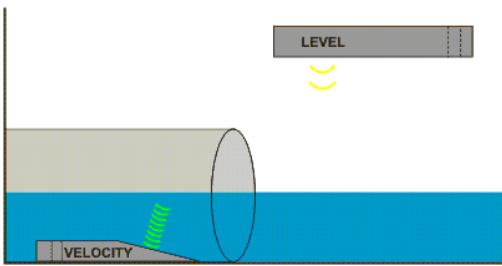


FMX-OCFM DISPLAY

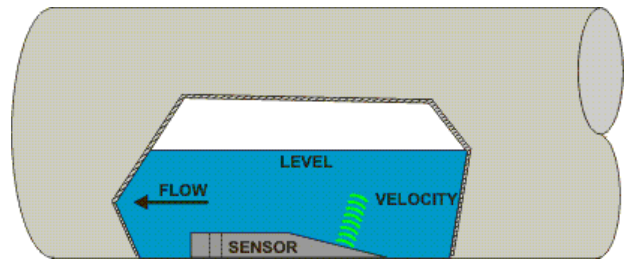


FMX-OCFM Display 125(l) x 125(w) x

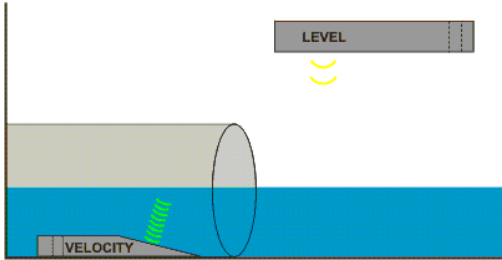
SENSORS



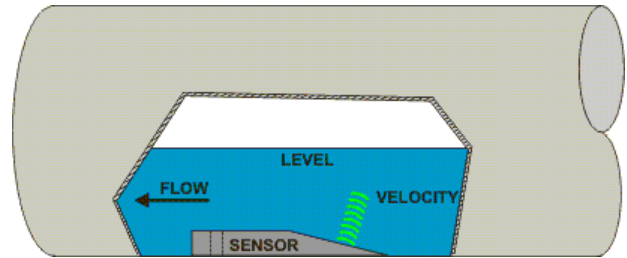
Doppler velocity & Ultrasonic Level



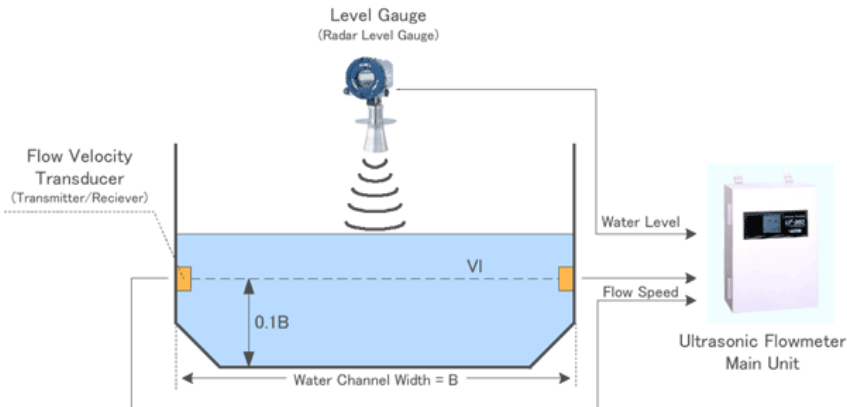
Doppler velocity & Hydrostatic Level



Electromagnetic velocity & Ultrasonic Level



Electromagnetic velocity & Hydrostatic Level



Time of flight velocity & Ultrasonic Level



SAFMAG MODEL NO.

SAMPLE CODE FMX-OCFM TU B 4 R 010

TYPE

- DU Doppler/Ultrasonic
- DH Doppler/Hydrostatic
- EU Electromagnetic/Ultrasonic
- EH Electromagnetic/Hydrostatic
- TU Time of flight/Ultrasonic
- TH Time of flight/Ultrasonic
- US Ultrasonic
- HS Hydrostatic
(consult factory)

SIGNAL CONVERTER

- O OCFM
- D Doppler
- B Electromagnetic
- M Mycity

SUPPLY VOLTAGE

- 1 115Vac 50/60Hz
- 2 230Vac 50/60Hz
- 3 10-30Vdc
- 4 80-240Vac 50/60Hz
- 5 3.6Vdc

CONVERTER MOUNTING

- R Remote wall mount

CABLE LENGTH

- 010 Length in metres (max 100m)